

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state thousand gallons per day

			Regular			Midgrade				
	Sales to end	d users		Sales for resale		Sales to e	nd users	Sal	es for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bul
United States										
November 2017	19,908.9	20,166.4	16,979.1	231,795.4	18,503.8	1,651.0	1,667.1	253.2	1,956.1	
October 2017	20,348.3	20,585.1	17,114.6	234,065.4	16,475.1	1,717.4	1,731.0	267.3	1,985.0	
November 2016	20,060.6	20,279.5	17,387.5	228,326.2	16,461.3	1,723.9	1,739.5	303.1	2,352.1	
PAD District 1										
November 2017	6,676.4	6,719.3	W	W	4,297.8	572.6	575.7	W	W	
October 2017	6,813.1	6,855.4	W	W	3,498.9	579.5	582.0	V V	vv	
November 2017	6,723.4	6,735.5		W	2,247.6	577.0	581.8	V V	vv	
	0,723.4	0,733.3	VV	VV	2,247.0	377.0	361.6	VV	VV	
Subdistrict 1A										
November 2017			W_	W_	W	W_			31.8	
October 2017	W		W_	W	W	W_	<mark>W</mark>		33.1	
November 2016	W	W	W	W	W	W	W	-	35.3	
Connecticut										
November 2017	-			1,719.8	NA	- -	-		13.2	
October 2017	-	<u>W</u> _		1,843.0	NA	- -	-		13.4	
November 2016	-	W	W	W	W	-	-	-	19.4	
Maine										
November 2017		- -		616.7		- -	-		W	
October 2017	-	- -	- -	647.2	-	- -	-		W	
November 2016	-	-	-	561.7	-	-	-	-	W	
Massachusetts										
November 2017	W			902.0		W_	<mark>W</mark>		4.0	
October 2017				855.7			<u>W</u>		4.1	
November 2016	W	W	W	W	-	W	W	-	4.7	
New Hampshire										
November 2017	W	<u>W</u> _	W_	W		W_	<u>W</u>		-	
October 2017			<u>W</u> _				<u>W</u>	-	 -	
November 2016	W	W	W	W	-	W	W	-	-	
Rhode Island										
November 2017		W_	- -		W		<u>W</u>	-	<u>W</u>	
October 2017 November 2016	W	<u>W</u> _	- -	726.6	W	W _ W	W	-	W	
	VV	VV	VV	/20.0	VV	VV	VV	-	VV	
Vermont November 2017			W	85.0					W	
October 2017		- -	vv -	77.9		. .	-	-	w	
November 2016				W			· -		vv	
			**	VV					**	
Subdistrict 1B										
November 2017	3,212.7	3,212.7_	W_	21,727.5	W	338.2	338.2	W	W	
October 2017	3,232.1	3,232.1	W_	22,054.4	W	340.3	340.3	W	W	
November 2016	3,108.0	3,108.7	W	21,001.5	W	332.6	332.7	W	W	
Delaware										
November 2017	W	W_	-	1,009.9		W_	W		9.1	
October 2017	W	W_		1,026.2		W	W		11.5	
November 2016	W	W	-	957.0	-	W	W	-	10.7	
District of Columb	ia									
November 2017		- -		 _			-			
October 2017		- -	- -	- -			-			
November 2016	-	-	-	-	-	-	-	-	-	
Maryland										
November 2017	-	- -	$-\ -\ -\ -\ W$	W_		- -	-		56.7	
October 2017	-	 -	 -	4,031.6		- -	-	-	61.2	
November 2016	-	W	W	W	W	-	W	-	72.7	
New Jersey	***									
November 2017		<u>W</u> _	W_	W_	1,097.1		<mark>W</mark>	W	W	
October 2017		W	W_	6,422.6	W		W	W	W	
November 2016	W	W	W	W	207.3	W	W	W	W	
New York	4.001.0	4.001.0		***			2422			
November 2017	1,961.8	1,961.8			W	216.3	216.3	<u>W</u>	W	
October 2017	1,975.8	1,975.8		W_	W	217.6	217.6	<u>W</u>	W	
November 2016	1,884.1	1,884.1	W	4,965.3	W	210.8	210.8	W	W	
Pennsylvania	***									
November 2017		W_			W		<u>W</u>		26.3	
October 2017		W	- -		W			-	27.8	
November 2016	W	W	-	W	W	W	W	-	30.3	

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Premium					All grades		
	Sales to e	end users		Sales for resale		Sales to e	nd users		Sales for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bull
United States										
November 2017	2,421.0	2,443.3	4,642.8	28,635.1	2,396.5	23,980.9	24,276.8	21,875.1	262,386.5	20,900.3
October 2017	2,567.9	2,590.6	4,909.5	29,220.6	1,860.1	24,633.5	24,906.8	22,291.5	265,271.0	18,335.1
November 2016	2,579.9	2,599.3	4,851.3	28,207.1	1,693.2	24,364.5	24,618.4	22,541.9	258,885.5	18,154.5
PAD District 1										
November 2017	817.3	823.6	W	9,061.2	W	8,066.2	8,118.5	W	77,294.7	V
October 2017	842.8	849.8	W	9,077.4	W	8,235.5	8,287.1	W	77,943.7	
November 2016	843.5	843.8	W	8,824.6	W	8,143.8	8,161.0	W	75,854.7	v
				-,-		-,	-,		-,	
Subdistrict 1A November 2017	W	W	W	W		W	W	W	W	V
October 2017	V V	v v	V V			W		W	4,896.2	V
November 2016		v v	V V			W		W	4,919.5	V
Connecticut	VV	VV	VV	VV	_	VV	VV	vv	4,919.5	•
November 2017				347.3			W		2,080.4	N/
October 2017	- -	- -	- -	330.7	-	- -		- -	2,080.4	
November 2016			-	W		- -		W	2,489.8	
			VV	VV			VV	vv	2,469.6	V
Maine November 2017			W	45.3				W	W	
October 2017	- -	-		49.8	-	 -	- -	W		
November 2016	- -	- -		32.1	-	 -	- -	W		
	-	-	VV	32.1	-	-	-	VV	VV	
Massachusetts	14/	14/		142.0		147	14/		1 040 0	
November 2017			- -	143.8	- 		W	- -	1,049.8	
October 2017 November 2016	W	W	-	137.0			W	- -	996.9	
	W	W	VV	W	-	W	W	VV	W	
New Hampshire										
November 2017	W_	W		W		W_	W		W	
October 2017	W	W	W_	W		W_	<u>W</u> _	W_	W	
November 2016 Rhode Island	W	W	W	W	-	W	W	W	W	
November 2017	W	W		W		W	W		NA	W
October 2017	W	W	- -	W		W_	W_	_ _	NA	W
November 2016	W	W	W	W	-	W	W	W	858.7	W
Vermont										
November 2017			W	W				W	W	
October 2017	- .		W	W		 _		W	W	
November 2016	-	-	W	W	-	-	-	W	W	
Subdistrict 1B										
November 2017	517.5	517.5	W	W	W	4,068.4	4,068.4	W	24,886.1	V
October 2017	536.5	536.5	W	W	W	4,108.8	4,108.8	W	25,288.3	W
November 2016	519.4	519.6	W	W	W	3,960.0	3,961.0	W	24,068.6	W
Delaware										
November 2017	W	W	_	113.9	_	W	W	_	1,132.8	
October 2017	W	W		125.2		W	W		1,162.9	
November 2016	W	W		118.5		W	W	-	1,086.2	
District of Columb									,	
November 2017	-	_	_	_	-	_	_	_	-	
October 2017	<u>-</u>					<u>-</u>				
November 2016		-	-	-	-				-	
Maryland										
November 2017	_	_	_	640.8	_	_	_	W	W	
October 2017	<u>-</u>	<u>-</u>	<u>-</u>	638.4	<u>-</u>	<u>-</u>			4,731.3	
November 2016	<u>-</u>	W		W	W	<u>-</u>	W	W	4,286.5	
New Jersey		• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	**		**	**	7,200.3	**
November 2017	W	W	W	929.7	W	W	W	W	7,317.2	W
October 2017				944.0				W	,,317.2 W	1,135.5
November 2016	VV		V V	W	<u>v</u> v	W	W	W		207.3
New York	**	VV	VV	VV		VV	**	VV	VV	20/
November 2017	333.6	333.6	W	822.6	W	2,511.6	2,511.6	W	5,857.0	V
October 2017		347.6		822.6 W	w				5,857.0	V
November 2016	347.6 333.9	334.1	vv - W				2,541.0 2,429.0	v v	5,728.0	V
	333.9	334.1	VV	VV	VV	۷,440.8	۷,423.0	vV	3,720.0	V
Pennsylvania	14/	14/		14/	14/	\A/	\A/		14/	\ A
November 2017	W	W_	- -	W	W		W_	- -	W	<u>N</u>
October 2017	W		- -	W	W		W_	- -	W	<u>N</u>
November 2016	W	W	-	537.4	-	W	W	-	W	W

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Regular			Midgrade				
	Sales to end	lusers	Sa	es for resale		Sales to end	users	Sale	s for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
November 2017	W_	W	-	W	W	W	W		458.5	
October 2017	W	W	-	41,983.8	96.6	W	W	-	455.8	
November 2016	W	W	W	41,098.6	W	W	W	W	W	
Florida										
November 2017	W	<u>W</u>	-	13,355.9		W	<u>W</u>	-	114.0	
October 2017	<u>W</u>	<u>W</u>	-	13,389.2	-	W	<u>W</u>	-	108.5	
November 2016	W	W	-	13,860.7	-	W	W	-	118.5	
Georgia	W	W		7.004.4		W	W	_	60.2	
November 2017 October 2017			-	7,984.4 W	- W			-	60.2 59.2	
November 2016	vv	66.3	-	vv	vv	vv	vv	w	<u>59.2</u>	
North Carolina	VV	00.3	VV	VV	_	VV	VV	VV	VV	
November 2017	W	W		W	W	W	W		138.5	
October 2017	vv	W		W	W		W	· -	144.1	
November 2016	VV	W		8,642.9		V V	W		154.5	
South Carolina	**	**		0,0 12.0		**	**		254.5	
November 2017	W	W	_	W	W	W	W	_	41.3	
October 2017				4,458.9	<u>v</u> v		v v	<u>-</u>	39.2	
November 2016	W	W	<u>-</u>	3,903.0		W	 W		46.6	
Virginia		·-		,			·-		- -	
November 2017	W	W	-	W	W	W	W	-	96.3	
October 2017	W	W		W	W	W	W		97.0	
November 2016	W	W	-	W	W	W	W	-	113.3	
West Virginia										
November 2017	W	W	-	637.9	-	W	W	-	8.3	
October 2017	W	W		606.8		W	W		7.7	
November 2016	W	W	-	782.1	-	W	W	-	8.9	
PAD District 2										
November 2017	W	W	W	W	780.1	318.3	324.7	W	W	
October 2017	VV				1,136.6	320.2	325.3		W	
November 2016	8,030.7	8,146.3	W	V	1,092.2	339.4	344.1	W	W	
Illinois	5,555	0,2			_,					
November 2017	W	W	-	W	W	W	W	-	78.7	
October 2017	W	W		W	W	W	W		80.3	
November 2016	W	W	-	W	W	W	W	-	109.5	
Indiana										
November 2017	W	W	-	W	W	W	W	-	27.5	
October 2017	W	W		W_	W	W	W		29.5	
November 2016	W	W	-	W	W	W	W	-	42.3	
Iowa										
November 2017	-	W	-	2,715.0		-	-	-	63.2	
October 2017		W		2,624.4		-			59.5	
November 2016	-	W	-	2,903.2	-	-	-	-	54.9	
Kansas										
November 2017	W	W	-	W	W	W	W	-	21.9	
October 2017	W	W	-	W	W	W	W	-	24.4	
November 2016	W	W	-	W	W	W	W	-	29.7	
Kentucky										
November 2017	W	<u>W</u>	-	W	W	W	W	-	13.1	
October 2017		<u>W</u>	-	W	W		<u>W</u>	-	13.5	
November 2016	W	W	-	W	W	W	W	-	14.7	
Michigan				06:00					40 -	
November 2017	W	<u>W</u>	-	9,649.2			<u>W</u>	-	12.5	
October 2017	W	W	-	9,803.4			W	-	14.3	
November 2016	W	W	-	9,637.4	-	W	W	-	17.9	
Minnesota	14/	147	147	4 024 5	1	14/	147	147	147	
November 2017	W	<u>W</u>	W	4,831.5	W		<u>W</u>	W	W	
October 2017		<u>W</u>	W	4,937.5	W	W	<u>W</u>	W	W	
November 2016	W	W	W	5,142.1	W	W	W	W	W	
Missouri				2544.0					24.6	
November 2017		W	-	3,511.8	-	-	-	-	21.6	
October 2017		·	-	3,466.6			-	-	19.5	
November 2016	-	W	-	3,454.9	-	-	-	-	20.3	

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

	Sales to er	nd users	Sal	es for resale		Sales to end	users		Sales for resale	
Geographic area	Through retail	id docio	- Jul	es for result		Through retail	users		saics for resule	
month	outlets	Total[a]	DTW	Rack	Bulk	outlets	Total[a]	DTW	Rack	Bul
Subdistrict 1C										
November 2017	$^- \ ^- \ ^- \ ^- \ ^- \ \overline{M}^-$	W		5,332.7		W	W_		W	V
October 2017	W	<u>W</u>		5,319.5			W	 -	47,759.3	96.
November 2016	W	W	W	W	-	W	W	W	46,866.6	٧
Florida November 2017	W	W		1.922.6		W	W		15,392.5	
October 2017				1,885.3			W	- -	15,392.5	
November 2016	W	W	-	1,976.7		W	W		15,955.8	
Georgia November 2017	W	W	_	1,004.1		W	W	_	9,048.7	
October 2017	W	V	·	1,004.1		 W	V	<u>-</u>	W	· · \
November 2016	W	W	W	W			75.7	W	W	
North Carolina										
November 2017	W	W	-	1,026.1	-	W	W	-	W	\
October 2017	W	W		1,038.2	-	W	W		W	\
November 2016	W	W	-	997.6	-	W	W	-	9,795.0	
South Carolina										
November 2017	W_	W		435.8		W	W_		W	\
October 2017	W_	W		451.1		W	W_		4,949.2	
November 2016	W	W	-	393.9	-	W	W	-	4,343.5	
Virginia										
November 2017	W_	W		912.7		W	W_		W_	<u>.</u>
October 2017			-	910.5			W	- -	W	· \ \
November 2016	W	W	-	913.9	-	W	W	-	W	\
West Virginia	W	W		24.2		W	14/		677.4	
November 2017 October 2017	<u>v</u> v -		-	31.3			W	- -	677.4 647.6	
November 2016				41.7		vv	W		832.7	
	VV	vv	-	41.7	_	vv	VV	_	632.7	
PAD District 2 November 2017	W	W	W	6,276.4	W	W	8,901.2	W	83,867.2	V
October 2017	W	v v	W	6,509.9	W		8,886.4	V	83,774.7	
November 2016	476.6	485.0	W	6,370.0	W	8,846.7	8,975.5	W	84,105.1	
Illinois	170.0	.03.0	••	0,570.0	• • • • • • • • • • • • • • • • • • • •	0,0 1017	0,373.3		0.,103.1	•
November 2017	W	W	-	1,138.0	-	W	W	-	W	١
October 2017	W	W		1,175.3		W	W		W	\
November 2016	W	W	-	1,211.7	-	W	W	-	W	\
Indiana										
November 2017	W_	W		W	W	W	W_		W	\
October 2017	W_	W		W	W	W	W_		W	\
November 2016	W	W	-	427.9	-	W	W	-	W	\
lowa										
November 2017	- _			313.5		-	W_		3,091.8	
October 2017	- -			273.3		-	W_		2,957.2	
November 2016	-	-	-	285.7	-	-	W	-	3,243.8	
Kansas										
November 2017	 -	- -	-		W		W	- -	W	· \ \
October 2017		-		<u>W</u>	W		W		W	
November 2016	-	-	-	W	W	W	W	-	4,318.1	196.
Kentucky November 2017	W	W		204.0		W	14/		W	\
October 2017	W	<u>v</u> v		204.8 W	- W		W			· '
November 2016	W	v v		vv	W		W		<u>v</u> v	· '
Michigan	**	**		**	•••	**	•••		•••	•
November 2017	W_	W	_	W	W	W	W_	_	W	١
October 2017					W	W	W_	<u>-</u>	W	· · ·
November 2016	W	 		W	W	W	V		W	
Minnesota					••				•••	•
November 2017	W	W	W	W	W	W	W	W	5,300.0	\
October 2017	W	W	W	W	W		W	W	5,454.7	
November 2016	W	W	W	W	W	W	W	W	5,642.8	\
Missouri										
N 1 2017	_	-	-	258.4	-		W_		3,791.9	
November 2017										
October 2017				260.4 251.4			- -		3,746.5	

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Regular					Midgrade		
	Sales to e	nd users	S	ales for resale		Sales to en	d users	Sale	s for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (con	t.)									
Nebraska										
November 2017	W_	W_	- _	1,581.4		W_	W		18.1	
October 2017	W	W_	- _	1,526.9		W_	W		17.7	
November 2016	W	W	-	1,715.8	-	W	W	-	38.1	
North Dakota										
November 2017	W	W		904.9		W	W	-	21.6	
October 2017	W	W		889.6		W	W		19.2	
November 2016	W	W	W	W	-	W	W	-	27.9	
Ohio										
November 2017	W	W		9,886.4		W	W		46.1	
October 2017	W	W		9,896.2	_	W	W		45.3	
November 2016	W	W	-	W	W	W	W	-	55.0	
Oklahoma										
November 2017	W	W_		W	W	W	W		3.4	
October 2017	W	W_		W	W	W_	W_		4.0	
November 2016	W	W	-	W	W	W	W	-	6.2	
South Dakota										
November 2017	W	W	-	1,003.0	-	W	W	-	20.4	
October 2017	W	W	-	895.9	-	W	W		22.7	
November 2016	W	W	-	931.0	-	W	W		40.4	
Tennessee										
November 2017	W	W	_	W	W	W	W	-	80.8	
October 2017	W	W	<u>-</u>	9,472.4		W	W		81.1	
November 2016	W	520.0	W	W		W	W	W	W	
Wisconsin										
November 2017	W	W	W	W	-	W	W	W	W	
October 2017	W	W	W	W		W	W	W	W	
November 2016	W	W	W	W	-	W	W	W	W	
PAD District 3										
November 2017	NA	921.0	W_	W_	W	90.0	90.0	W	W	
October 2017	NA	953.3	W_	W_	W	93.5	93.5	W	W	
November 2016	1,050.9	1,079.6	60.4	47,432.6	9,633.1	98.3	101.4	W	W	
Alabama										
November 2017		W_	- _	4,546.3		-	-		39.2	
October 2017		W_	- _	4,624.8		-	-		36.3	
November 2016	W	162.3	W	W	-	W	8.0	W	W	
Arkansas										
November 2017		- -		2,828.3		-			20.2	
October 2017		- -		2,809.6					18.6	
November 2016	W	W	W	W	-	W	W	W	W	
Louisiana										
November 2017		W_		W_	W				20.1	
October 2017		W_		W	W				19.4	
November 2016	-	W	-	W	W	-	-	-	34.8	
Mississippi										
November 2017				W_	W				22.5	
October 2017		 _		W_	W				22.7	
November 2016	W	13.5	-	3,192.9	560.1	W	W	-	32.2	
New Mexico										
November 2017	W_	389.3	W_	W_		W_	W	W	W	
October 2017	W_	400.3	W_	W		W_	W	W	W	
November 2016	361.4	370.2	W	W	-	51.3	51.6	W	W	
Texas										
November 2017	W_	NA	W_	30,529.1	W		W_		197.7	
October 2017	W_	NA	W	31,302.6	W		W		179.0	
November 2016	W	W	W	29,725.1	W	W	39.6	-	225.5	

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Premium			All grades				
	Sales to end	users	S	ales for resale		Sales to e	nd users	S	ales for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont	:.)									
Nebraska				167.2		14/	W		1 700 7	
November 2017 October 2017	-	· - - ·	- -	167.2 163.4		WW	<u>v</u> v_	- -	1,766.7 1,708.0	-
November 2016	- W	W	- -	173.7		W	W	-	1,708.0	
North Dakota										
November 2017	W	W	- -	91.2		W	W_		1,017.7	
October 2017 November 2016		<u>W</u>	- -	82.9 W				- -	991.7 W	
Ohio										
November 2017	W	W_	- _	W_	W	W_	W_	- _	W_	W
October 2017	W	W_		W	W	W	W_		W	W
November 2016 Oklahoma	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	_	W	W	W	W	_	4,441.4	589.3
October 2017	vv	<u>vv</u>	-		<u>v</u> v				4,441.4	406.0
November 2016	vv		- -		<u>v</u> v				4,4653.7	334.6
South Dakota	**	**		VV	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	**		4,055.7	334.0
November 2017	W	W		79.9	_	W	W		1,103.3	_
October 2017	vv			87.2		W	v		1,005.8	
November 2016	 	W		78.1		W	V		1,049.5	
Tennessee										
November 2017	W	W_	- _	901.0		W	W_		W	W
October 2017	W	W_		896.9		W_	W_		10,450.4	
November 2016 Wisconsin	W	W	W	W	-	W	592.4	W	W	-
November 2017	W	W	W	401.6	W	W	W	W	5,976.9	W
October 2017	W	W	W	451.1	W	W	W	W	5,884.6	W
November 2016	W	W	W	W	-	W	W	W	W	-
PAD District 3										
November 2017	87.5	93.9	W_	5,259.4	W	1,057.0	1,104.9	W_	53,582.3	W
October 2017 November 2016	91.4 96.8	97.8 100.0	W W	5,261.9 W	917.4	1,106.0 1,245.9	1,144.5 1,281.1	W_ 69.9	54,595.3 53,066.1	W 10,550.5
Alabama										
November 2017	-	W	_	424.3	_	_	W	-	5,009.8	-
October 2017 November 2016	-	11.7	- -	431.2 W		- - W	W_ 182.0	- -	5,092.3 W	-
	vv	11.7	VV	VV		VV	102.0	VV	VV	
Arkansas November 2017				231.5		_		_	3,080.1	
October 2017		· - - ·	-	231.2		- -		<u>-</u> -	3,059.4	·
November 2016	- W	W		237.6		W	W	W	3,039.4 W	-
Louisiana				141	147		1		6 227 4	4.024.0
November 2017 October 2017	-	· - - ·			<u>W</u>	- -	W -		6,327.4 6,447.8	1,921.6 1,433.9
November 2016	-	·		vv -	W		VV -		6,555.3	1,820.8
Mississippi										
November 2017	-	- - :	- -	226.8		 .			W_	W
October 2017		-		232.0		 _			W_	W
November 2016	W	W	-	W	W	W	15.1	-	W	W
New Mexico										
November 2017	W	W	W_	W_		W_	485.0	W_	W	_
October 2017	W	W_	W_	W_		W_	500.4	W_	W	_
November 2016	42.8	43.4	W	W	-	455.4	465.1	W	W	-
Texas										
November 2017		W	W_	3,637.6	W	W_	NA_	W_	34,364.5	W
October 2017		W	W_	3,618.8	W	W_	NA_	W_	35,100.6	W
November 2016	W	W	W	3,606.6	W	W	W	W	33,557.1	W

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Regular			Midgrade				
	Sales to en	d users	Sa	ales for resale		Sales to end	users	Sale	es for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
November 2017	W_	W	W_	10,393.1	W	73.3	75.4		136.6	
October 2017	W_	W	W	10,838.4	W	76.7	78.3	-	138.5	
November 2016 Colorado	365.1	383.0	W	W	W	77.2	79.3	-	145.4	-
November 2017	W	147.6	W	W	W	41.5	42.4	_	57.5	
October 2017 November 2016	W_	157.1	W	W	W	43.7 43.7	44.7	-	63.7	
Idaho	154.1	157.0	VV	VV	-	45.7	44.9	-	73.2	
November 2017	W	W	-	1,328.5	-	W	W	-	9.0	
October 2017	W	W		1,372.1		W	W		7.5	
November 2016	W	W	-	1,232.8		W	W		6.7	
Montana				,						
November 2017	W	W	-	1,245.4	_	W	W	_	W	
October 2017	V V	v v		1,408.9	<u>-</u>	vv	W			
November 2016		V V		1,129.6	<u>-</u>	vv	W		7.2	
Utah	**	**		1,123.0		vv	vv		7.2	
November 2017	W	W	W	W	W	W	W		47.8	
October 2017			w	W	W			-	47.8	
November 2016	VV -	vv	W	2,548.2	w	v v	<u>v</u> v	-	42.0	
	VV	VV	vv	2,346.2	VV	VV	VV	-	42.0	
Wyoming	W	9.5		809.4		W	W		W	
November 2017 October 2017	W		-		- -	vv		-		
November 2017		10.4 11.3	-	852.6 953.8	- -	vv		-	16.2	
November 2016	VV	11.5	-	953.8	-	VV	VV	-	10.2	
PAD District 5	-									
November 2017	3,955.5	4,024.3	15,542.4	28,759.5	1,781.0	596.8	601.2	242.9	315.1	
October 2017	4,231.2	4,291.8	15,684.8	29,267.6	1,803.1	647.5	652.0	256.9	341.0	
November 2016	3,890.6	3,935.1	16,067.6	W	W	632.0	632.9	W	W	
Alaska										
November 2017	W	W	79.3	W	W	W_	W	W	W	
October 2017	W_	W	83.0		W	W	W_	W	W	
November 2016	W	W	78.3	388.1	W	W	W	W	W	
Arizona										
November 2017	W	W	W	4,310.2	W	W	W	W	W	
October 2017	W	W	W	4,131.5	W	W	W	W	W	
November 2016	W	W	W	4,174.0	W	W	W	W	W	
California										
November 2017	2,829.2	2,830.9	W	14,629.7	W	505.1	505.3	149.6	200.1	
October 2017	3,051.1	3,052.8	W	15,028.9	W	552.3	552.3	162.7	216.3	
November 2016	W	W	11,820.7	14,324.9	1,931.1	W	W	192.4	234.0	
Hawaii			,-	,-	,					
November 2017	W	W	W	W	W	W	W	W	W	
October 2017	W	 W	V	W	. W		W	W	W	
November 2016	W	 W	V	W	NA	 W	W	W		
Nevada	••	••	••	••		••	••	••		
November 2017	W	W	W	1.446.6	W	W	W	W	W	
October 2017	W	V V	W	1,440.5	W	vv	v v	v		
November 2016	W	V V	708.0	W	W	vv	v v	v		
Oregon	**	**	. 00.0	**	**	**	**	**	**	
November 2017	93.2	93.2	785.4	W	W	6.1	6.1	W	W	
October 2017										
	94.7	94.7	W	3,027.5 2,402.2	W		6.5	4.1	10.6	
November 2016	93.0	93.0	W	۷,402.۷	W	6.2	6.2	4.6	15.5	
Washington	2446	225.5	147	4.022.2		20.7	24.0	147	147	
November 2017	314.6	325.5	W	4,832.3	W		31.0	<u>W</u>	<u>W</u>	
October 2017	339.8	346.6	1,085.6	W	W		32.9	<u>W</u>	<u>W</u>	
November 2016	245.6	247.9	W	4,677.6	W	26.5	26.5	W	W	

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.) thousand gallons per day

			Premium			All grades				
	Sales to er	nd users	Sa	les for resale		Sales to end	dusers	S	Sales for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bull
PAD District 4										
November 2017	W_	W_	W_	2,180.8	W	W_	496.9	W_	12,710.4	V
October 2017	W_	W_	W_	2,297.6	W	W	527.1	W	13,274.5	V
November 2016 Colorado	71.7	74.4	W	W	W	514.0	536.7	W	12,399.9	V
November 2017	W	31.5	W	W	_	216.2	221.6	W	5,430.1	V
October 2017	W	33.3	W	W	<u>-</u>	231.3	235.2	W	5,676.5	v
November 2016	34.9	35.0	W	W		232.7	236.9	W	W	
Idaho	55	33.0				202	200.5	•••	•	
November 2017	W	W_		225.7		W_	W_		1,563.2	
October 2017	W_	W_		236.1		W_	W		1,615.6	
November 2016	W	W	-	207.4	-	W	W	-	1,446.9	
Montana										
November 2017	W_	W_		W		W	W	-	1,498.0	
October 2017	W_	W_		W		W	W	-	1,688.3	
November 2016	W	W	-	238.6	-	W	W	-	1,375.4	
Utah										
November 2017	W_	W_	W_	W	W	W	W_	W_	3,253.8	V
October 2017	W_	W_	W	W	W	W_	W	W_	3,282.7	V
November 2016 Wyoming	W	W	W	W	W	W	W	W	W	V
November 2017	W	W	_	W	-	W	11.9	_	965.3	
October 2017	W	W		W		W	13.1		1,011.5	
November 2016	W	W		159.9	-	W	14.8	-	1,129.9	
PAD District 5										
November 2017	1,023.8	1,029.8	4,254.1	5,857.4	356.9	5,576.1	5,655.4	20,039.4	34,931.8	2,137.
October 2017	1,112.5	1,117.7_	4,522.3	6,073.7	377.9	5,991.2	6,061.5	20,464.0	35,682.5	2,181.
November 2016	1,091.4	1,096.1	4,495.0	5,595.4	346.5	5,614.1	5,664.1	W	33,459.6	V
Alaska										
November 2017	W_	W_	W	W	W	W	W	96.3	W	V
October 2017	W_	W_	W	W		W	W	101.7	W_	V
November 2016	W	W	W	W	-	W	W	95.8	W	V
Arizona	W	W	163.7	W	W	W	W	W	4 001 2	V
November 2017									4,901.2	
October 2017 November 2016	W		180.5		W			W	4,686.7	V
	VV	VV	181.9	VV	VV	VV	W	W	4,774.2	V
California	847.2	047.2	W	2.620.2	W	4 101 C	4 4 0 2 4	1F 220 F	10.450.0	1 407
November 2017 October 2017		847.2 922.7		3,628.2		4,181.6	4,183.4	15,229.5	18,458.0	1,497.
November 2016	922.7 W	922.7_ W	3,625.5	3,787.5 3,490.6	239.3	4,526.1 W	4,527.9 W	15,324.2 15,638.6	19,032.6	1,635. 2,170.
Hawaii	VV	VV	3,023.3	3,490.0	239.3	VV	vv	13,036.0	18,049.5	2,170.
November 2017	W	W	W	W	W	W	W	W	W	V
October 2017				W W	vv			<u>v</u> v		v
November 2016	W		v v	W W	NA		VV	<u>v</u> v	W	<u>v</u>
Nevada	VV	VV	VV	VV	INA	VV	vv	VV	vv	IN
November 2017	W	W	W	W	W	W	W	W	1,801.1	V
October 2017	W	v v	vv	VV	W	vv	VV	W	1,843.1	<u>v</u>
November 2016	W	V V	V	317.4	VV		V	v v	1,667.9	<u>v</u>
Oregon	VV	VV	VV	317.4	VV	VV	vv	VV	1,007.9	v
	12.0	12.0	125.2	270.2		112.1	112.1	14/	3,392.7	
November 2017 October 2017	13.8	13.8	125.2	370.3			113.1	0E2.0		126
	14.0	14.0	W	383.6	W		115.3	952.9	3,421.6	136.
November 2016	13.3	13.3	vv	314.6	VV	112.4	112.4	W	2,732.3	٧
Washington	46.5	46.6	220.0	147	147	204.0	402.2	147	F 7F7 1	
November 2017	46.5	46.9	230.6	W	W		403.3	W	5,757.1	V
October 2017	50.1	50.4	239.9	941.2	- -	422.6	429.9	<u>W</u>	6,070.9	<u>V</u>
November 2016	41.4	41.5	244.3	W	W	313.4	315.9	W	5,572.1	V

^{- =} No data reported.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding. Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[[]a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state thousand gallons per day

		Co	nventional		
	Sales to end use	ers	Sa	les for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul
United States					
November 2017	14,968.5	15,238.5	4,377.0	185,065.4	17,332.
October 2017	15,251.0	15,501.5	4,714.7	186,806.5	14,680.9
November 2016	15,289.0	15,518.8	4,822.6	182,664.0	14,595.
PAD District 1					
November 2017	W W	W	W	49,825.3	V
October 2017	W W	W	W	50,481.8	
November 2016	W	W	W	49,129.1	W
Subdistrict 1A					
November 2017	-	-	W	W	
October 2017	-	-	W	W	
November 2016	-	-	W	W	
Connecticut					
November 2017 October 2017		- 			
November 2016		· 			
Maine	-	-	-	-	
November 2017			W	W	
October 2017		_		W	
November 2016	<u>-</u>	· -	vv	W	
Massachusetts			**	••	
November 2017	_	_	_	_	
October 2017				<u>-</u>	
November 2016		· ·			
New Hampshire					
November 2017	-	-	W	W	
October 2017	-		W	W	
November 2016	-		W	W	
Rhode Island					
November 2017	-	-	-	-	
October 2017		.			
November 2016	-	-	-	-	-
Vermont					
November 2017	-	-	W	W	
October 2017	-	-		W	
November 2016	-	-	W	W	-
Subdistrict 1B					
November 2017	W	W	W	W	W
October 2017	W W	W	W	W	W
November 2016	W	W	W	W	1,087.3
Delaware					
November 2017	-	-			
October 2017	- -	-	-		
November 2016	-	-	-	-	
District of Columbia					
November 2017		-	-		
October 2017	 _ 	-	-		
November 2016	-	-	-	-	-
Maryland					
November 2017		- 	_ 	\bar{M}	
October 2017	-	-	-	W	
November 2016	-	-	-	W	W
New Jersey					
November 2017	_	-	-	-	M
October 2017	-	-	-		W
November 2016	-	-	-	-	207.3
New York November 2017	W	W	W	W	W
October 2017	w w				
November 2016	W		vv	W W	W
Pennsylvania	vv	vv	VV	vv	V
November 2017	W	W	_	W	W
October 2017		M	-	W	
November 2016			-		W
	VV	v v		VV	VV

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		R	eformulated		
	Sales to end users			les for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bu
United States					
November 2017	9,012.3	9,038.3	17,498.1	77,321.2	3,567.
October 2017	9,382.5	9,405.3	17,576.8	78,464.3	3,654.
November 2016	9,075.5	9,099.6	17,719.3	76,221.5	3,559.
PAD District 1					
November 2017	W	W	W	27,469.4	1
October 2017	W	w	W	27,461.9	,
November 2016	W	W	W	26,725.6	
Subdistrict 1A					
November 2017	W	W	-	W	,
October 2017		W	<u>-</u>	W	
November 2016	W	W	W	W	
Connecticut					
November 2017		W		2,080.4	N
October 2017	_	W		2,187.1	N
November 2016	-	W	W	2,489.8	\
Maine					
November 2017	_				
October 2017		-		W	
November 2016	-	-	-	W	
Massachusetts					
November 2017	W	W		1,049.8	
October 2017		W		996.9	
November 2016	W	W	W	W	
New Hampshire					
November 2017					
October 2017	W	W			
November 2016	W	W	-	-	
Rhode Island					
November 2017	W	W	-	W	
October 2017	W	W	-	W	
November 2016	W	W	W	858.7	,
Vermont					
November 2017		- 			
October 2017	-				
November 2016	-	-	-	-	
Subdistrict 1B					
November 2017		W	W	W	}
October 2017		W	<u>W</u>	W	
November 2016	W	W	W	W	`
Delaware					
November 2017		W	-	1,132.8	
October 2017	<u>W</u>	W	-	1,162.9	
November 2016	W	W	-	1,086.2	
District of Columbia					
November 2017		-			
October 2017		-			
November 2016	-	-	-	-	
Maryland					
November 2017				W	
October 2017				W	
November 2016	-	W	W	W	
New Jersey					
November 2017	<u>W</u>		W	7,317.2	
October 2017	<u>W</u>				
November 2016	W	W	W	W	
New York					
November 2017	W	W	<u>W</u>	W	
October 2017	W	W	<u>W</u>	W	
November 2016	W	W	W	W	
Pennsylvania					
November 2017	W	W	-	W	'
October 2017	W		-		
November 2016	W	W		W	\

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		Al	l formulations		
	Sales to end users		Sa	ales for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bull
United States					
November 2017	23,980.9	24,276.8	21,875.1	262,386.5	20,900.3
October 2017	24,633.5	24,906.8	22,291.5	265,271.0	18,335.1
November 2016	24,364.5	24,618.4	22,541.9	258,885.5	18,154.5
PAD District 1					
November 2017	8,066.2	8,118.5	W	77,294.7	W
October 2017	8,235.5	8,287.1	W	77,943.7	W
November 2016	8,143.8	8,161.0	W	75,854.7	W
Subdistrict 1A					
November 2017	W	W	W	W	W
October 2017			W	4,896.2	W
November 2016	W	W	W	4,919.5	W
Connecticut				,	
November 2017	-	W	-	2,080.4	N/
October 2017	<u>-</u>		-	2,187.1	NA
November 2016	<u>-</u>		W	2,489.8	
Maine					
November 2017	-	-	W	W	
October 2017	-		W	W	
November 2016			W	W	
Massachusetts					
November 2017	W	W	_	1,049.8	
October 2017		W		996.9	
November 2016	 	W	W	W	
New Hampshire		**		••	
November 2017	W	W	W	W	
October 2017					
November 2016					
Rhode Island	VV	vv	**	**	
November 2017	W	W		NA	W
October 2017	W		-	NA NA	
November 2016	vv W		.	858.7	
Vermont	VV	VV	vv	838.7	V
November 2017			W	W	
October 2017					
November 2016					
				••	
Subdistrict 1B	4.069.4	4.069.4	W	24.996.1	W
November 2017	4,068.4	4,068.4		24,886.1	
October 2017	4,108.8	4,108.8		25,288.3	M
November 2016	3,960.0	3,961.0	W	24,068.6	W
Delaware	NA/	\\\\		1 122 0	
November 2017				1,132.8	
October 2017		W		1,162.9	
November 2016	W	W	=	1,086.2	
District of Columbia					
November 2017	-		-	-	
October 2017	-		-	-	
November 2016	-	-	-	-	•
Maryland					
November 2017					
October 2017			<u></u>	4,731.3	
November 2016	-	W	W	4,286.5	W
New Jersey					
November 2017				7,317.2	<u>M</u>
October 2017		W			1,135.5
November 2016	W	W	W	W	207.3
New York					
November 2017	2,511.6	2,511.6	W	5,857.0	W
October 2017	2,541.0	2,541.0	W	5,919.8	W
November 2016	2,428.8	2,429.0	W	5,728.0	W
Pennsylvania					
November 2017	W	W		W	W
October 2017	W	W	.	W	W
November 2016	W	W	-	W	W

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

			nventional		
_	Sales to end users			es for resale	
eographic area month	Through retail outlets	Total[a]	DTW	Rack	Ви
ubdistrict 1C					
November 2017	W	W	-	W	,
October 2017	W	W	<u>-</u>	43,377.6	96
November 2016		W	w	42,561.8	
	**	**	**	42,301.0	
Florida				45.000.5	
November 2017	W	\bar{w}	-	15,392.5	
October 2017	W	W	-	15,383.0	
November 2016	W	W	-	15,955.8	
Georgia					
November 2017	W	W	-	9,048.7	
October 2017	W	W		W	
November 2016		75.7	W	 W	
	VV	73.7	VV	VV	
North Carolina					
November 2017	W W	W	-	W	
October 2017	W	W	<u>-</u>	W	
November 2016	W	W	-	9,795.0	
South Carolina				,	
	\A/	W		\A/	
November 2017			-	W	
October 2017		W	-	4,949.2	
November 2016	W	W	-	4,343.5	
Virginia					
November 2017	W	W	_	W	
October 2017	W	W		W	
					
November 2016	W	W	-	W	
West Virginia					
November 2017	W	W		677.4	
October 2017	W	W	-	647.6	
November 2016		W		832.7	
November 2010	**	**		032.7	
AD District 2					
November 2017	W	W	W	W	1,33
October 2017	7,223.4	W	W	W	
November 2016	W	W	W	 	
	vv	**	**	**	
Illinois					
November 2017	W	W	-	3,907.8	
October 2017	W	W	-	W	
November 2016	W	32.9	-	W	
Indiana					
November 2017	W	W	_	W	
October 2017	 	W			
					
November 2016	W	W	-	W	
lowa					
November 2017	-	W	-	3,091.8	
October 2017		W	<u>-</u>	2,957.2	
November 2016		W		3,243.8	
	-	VV	-	3,273.0	
Kansas					
November 2017	W W	W	-	W	
October 2017	W W	W	-	W	
November 2016	W	W	<u>-</u>	4,318.1	19
Kentucky	•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	14/	14/		14/	
November 2017		W	.		
October 2017	W	W	-	W	
November 2016	W	W	-	W	
Michigan					
November 2017	W	W	-	W	
October 2017					
		W			
	W	W	-	W	
November 2016					
			W	5,300.0	
Minnesota	W	W			
Minnesota November 2017	WW	WW			
Minnesota November 2017 October 2017		W	W	5,454.7	
Minnesota November 2017 October 2017 November 2016					
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	
Minnesota November 2017 October 2017 November 2016		W	W	5,454.7 5,642.8 2,905.8	
Minnesota November 2017 October 2017 November 2016 Missouri		WW	W	5,454.7 5,642.8	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		Re	formulated		
	Sales to end users		Sal	es for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul
Subdistrict 1C					
November 2017	-	-	-	4,465.9	
October 2017	-	-	-	4,381.7	
November 2016			-	4,304.7	
Florida				,	
November 2017					
					
October 2017				- 	
November 2016	-	-	-	-	
Georgia					
November 2017	-	-	-	-	
October 2017	-	-	-	-	
November 2016	-	-	-	-	
North Carolina					
November 2017	-	_	_	-	
October 2017					
November 2016					
South Carolina					
November 2017		-	-		
October 2017		-	-	-	
November 2016	-	-	-	-	
Virginia					
November 2017	-	-	-	4,465.9	
October 2017			<u> </u>	4,381.7	
November 2016				4,304.7	
West Virginia				4,304.7	
November 2017	-		-	-	
October 2017		-	-	-	
November 2016	-	-	-	-	
PAD District 2					
November 2017	W	W	_	W	١
October 2017		vv		- v	'
				vv	
November 2016	W	W	-	VV	,
Illinois					
November 2017		W	-	W	
October 2017	W	W	-	W	
November 2016	W	W	-	W	\
Indiana					
November 2017	W	W	-	934.2	
October 2017		w		912.5	
November 2016	 			1,017.2	
	VV	VV		1,017.2	
Iowa					
November 2017		_ 		-	
October 2017		-	-	-	
November 2016	-	-	-	-	
Kansas					
November 2017	_	_	_	_	
October 2017					
November 2016	-	-	-	-	
Kentucky					
November 2017		W	-	787.4	
October 2017		W	-	782.5	
November 2016	W	W	-	W	
Michigan					
November 2017	_	_	-	_	
October 2017					
November 2016					
	-	-	-	-	
Minnesota					
November 2017		_ 	-	-	
October 2017	- -	-	-	-	
November 2016	-	-	-	-	
Missouri					
November 2017	-			886.1	
October 2017			<u>-</u>	786.8	
November 2016				W	
NOVCHIDE ZUIU	-	-	-	VV	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

Subdistrict IC November 2017 W W W 4,779.33 98 Movember 2016 W W 4,779.33 98 Florida W W 4,8866.6 98 Florida W W 4,8866.6 98 Florida W W 5,383.0 98 Florida W W 5,383.0 98 Showember 2017 W W 5,585.8 98 Georgia W W 5,595.8 98 Georgia W W 5,048.7 99 Cutchez 2017 W W W 9,048.7 99 November 2016 W W 9,795.0 99 South Carolina November 2015 W W 9,795.0 99 November 2017 W W W 9,995.0 99 November 2017 W W W 9,4343.5 99 November 2017 W W W 9,4343.5 99 November 2015 W W 9,4343.5 99 November 2015 W W 9,4343.5 99 November 2016 W W 9,4343.5 99 November 2017 W			All f	ormulations		
Subdistrict IC		Sales to end users		Sal	les for resale	
November 2017 W W - 4779-3 9 November 2016 W W W 40,866.6	Geographic area month T	hrough retail outlets	Total[a]	DTW	Rack	Bul
October 2017 W W - 4,759-3 98	Subdistrict 1C					
November 2015		w	W	.		
Florida	October 2017	W	W		47,759.3	96.6
November 2017 W W W . 15,392.5 October 2017 W W W . 15,558.8 October 2017 W W W . 15,558.8 October 2017 W W W . 10, 15,558.8 October 2017 W W W . 2 . 90,8.7 October 2017 W W W . 3 . 4	November 2016	W	W	W	46,866.6	V
October 2017 W W 15,383.0 Kowember 2015 W W 9,948.7 November 2017 W W W 9,948.7 October 2016 W W W W November 2016 W W W W North Carolina W W W W November 2017 W W W W November 2017 W W W W November 2017 W W W 4,349.2 November 2018 W W 9 7,74 November 2016 W W 9 7,74 November 2017 W W W 7,74	Florida					
October 2017 W W 15,383.0 Kowember 2015 W W 9,948.7 November 2017 W W W 9,948.7 October 2016 W W W W November 2016 W W W W North Carolina W W W W November 2017 W W W W November 2017 W W W W November 2017 W W W 4,349.2 November 2018 W W 9 7,74 November 2016 W W 9 7,74 November 2017 W W W 7,74	November 2017	W	W	-	15,392.5	
November 2015 W W W P. 9,048.7	October 2017			<u>-</u>		
Sergis	November 2016			<u>-</u>		
November 2017	Georgia				-,	
October 2017 W W 75.7 W W November 2016 W 75.7 W W November 2017 W W W 9,795.0 November 2016 W W 9,795.0 South Carolina W W 4,992. November 2017 W W 4,992. November 2016 W W 4,992. November 2016 W W 4,949. November 2017 W W 4,949. November 2016 W W 4,949. November 2017 W W W November 2017 W W W W November 2017 W W 677.4 C November 2017 W W 677.4 C November 2017 W W W 832.7 PAD District 2 W W 8367.2 W October 2017 W 8,986.1		\\/	\\/		9.048.7	
November 2015 W 75.7 W W North Carolina						v
North Carolina November 2017 W W W W Part 2017 W W W Part 2016 W W Part 2017 Part 2017 W W W Part 2017 Part 2017 Par				·		•
November 2017 W W P P P		VV	75.7	vv	VV	
October 2017 W W 9,795.0 South Gracina W W 9,795.0 November 2017 W W W 4,349.2 November 2016 W W 4,343.5 Virginia W W W W November 2017 W W W W Movember 2017 W W W W Movember 2018 W W W W West Virginia W W 677.4 W November 2017 W W W 677.4 October 2017 W W W 647.6 November 2016 W W 9 382.7 PAD District 2 W 8,386.2 W 83,774.7 November 2017 W 8,901.2 W 83,867.2 October 2017 W 8,901.2 W 83,774.7 November 2017 W 8,886.4 W 8,705.1		14/	14/		14/	
November 2016				-		
South Carolina				-		
November 2017 W W W - 9,8945.2 November 2016 W W W - 9,8945.2 November 2016 W W W - 9,8945.2 November 2017 W W W - 647.6 November 2017 W W W - 833.7 November 2017 W W W W - 833.7 November 2017 W W 8,991.2 W 8,3861.2 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W 8,896.4 W 8,377.4 November 2017 W W W W - 9 W 8,105.1 November 2017 W W W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W - 9 W W W - 9 W		W	W	-	9,795.0	
October 2017 W W 4,343.5 Virginia W W 4,343.5 November 2017 W W W W October 2017 W W W W West Virginia W W G677.4 W November 2017 W W G677.4 G676. November 2017 W W G677.4 G676. November 2016 W W G677.6 G677.4 October 2017 W W G677.6 G677.6 November 2016 W W G83.7 W PAD District 2 W 83.77.7 W 8.362.2 W 83.77.7 W 8.362.2 W 83.77.7 W 8.367.2 W 8.37.7.7 W 8.37.7.7 W 8.37.7.7 W 8.37.7.7 W 8.41.05.1 W 8.41.05.1 W 8.41.05.1 W 8.41.05.1 W W 9.41.05.1 W W						
November 2015 W				-		
Virginia W - W October 2017 W W W November 2016 W W W West Virginia W G77.4 November 2017 W W 647.6 November 2017 W W 657.4 November 2018 W W 83.87.2 October 2017 W 8,86.4 W 83,874.2 November 2017 W 8,86.4 W 83,774.7 November 2017 W 8,86.4 W 83,774.7 November 2017 W 8,86.4 W 83,774.7 November 2017 W W W W November 2017 W W W 2,957.2 November 2017 W W 2,957.2	October 2017	W	W	-	4,949.2	
November 2017	November 2016	W	W	-	4,343.5	
November 2017	Virginia					
October 2017 W W W W W W W W W W W W W W B 677.4 Cotober 2017 W W W 647.6 W S3.2,7 W S3.2,7 W S3.2,7 W S3.2,7 W S3.867.2 Cotober 2017 W S.886.4 W S3.77.7 November 2017 W S.886.4 W S3.77.7 November 2017 W S.89.55.5 W 84.105.1 IIII. III. III. III. III. III. III. III. III. III. W W W W W III. III. W		W	W	-	W	\
November 2015 W W V C F77.4						\
West Virginia November 2017 W W - 677.4 677.4 670.7 677.4 677.5 67						
November 2017 W W W - 677.4 Cotaber 2016 W W W - 647.6 November 2016 W W W - 647.6 November 2016 W W W - 647.6 November 2017 W W 8.30.2 November 2017 W 8.30.2 Cotaber 2017 W 8.38.64 W 8.37.7 November 2016 8.846.7 November 2016 8.846.7 November 2016 W W W 8.30.5 Illinois November 2017 W W W W - W W - W W November 2017 W W W W - W W W - W W November 2017 W W W W - W W W - W W W W - W W W W W		**	vv		**	`
October 2017 W W - 647.6 MS2.7 November 2016 W W 832.7 S32.7 S32.7 <td></td> <td>14/</td> <td>14/</td> <td></td> <td>677.4</td> <td></td>		14/	14/		677.4	
November 2016 W W B, 832.7				-		
November 2017				-		
November 2017	November 2016	W	W	-	832.7	
November 2017	PAD District 2					
October 2017 W		W	8.901.2	W	83.867.2	V
November 2016 8,846.7 8,975.5 W 84,105.1						V
Illinois						v
November 2017 W		0,040.7	0,373.3	**	04,103.1	•
October 2017 W W - W November 2016 W W - W Indiana W W - W November 2017 W W - W November 2016 W W - W Iowa W - W - W Iowa W - 3,091.8 - W Iowa W - 3,091.8 - - W Iowa W - 3,091.8 - - W Iowa W - 3,091.8 - - W Iowa W - 3,243.8 - - - W - - - W - - W - - W - - - W - - - - - - - - - - - - </td <td></td> <td></td> <td></td> <td></td> <td>***</td> <td></td>					***	
November 2016				-		N
November 2017 W W Cotober 2017 W W W Cotober 2017 W W W Cotober 2017 W W W Cotober 2016 W W W Cotober 2016 W W W Cotober 2017 W Cotober 2017 W Cotober 2017 W Cotober 2017 W W W S,454.7 S,642.8 S S S S S S S S S				-		
November 2017 W W W - W W W November 2016 W W W - W W W W W W		VV	VV	-	W	\
October 2017 W W W C W Iowa W W - W November 2017 - W - 3,091.8 October 2017 - W - 2,957.2 November 2016 - W - 3,243.8 Kansas W W - W November 2017 W W - W November 2016 W W - W Kentucky - W - W November 2017 W W - W November 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W October 2017 W W - W November 2016 W W W - W						
November 2016 W W C W W C W W C November 2017 C W C C C C C C C C						V
November 2017 Control				-		
November 2017	November 2016	W	W	-	W	\
October 2017 - W - 2,957.2 November 2016 - W - 3,243.8 Kansas November 2017 W W - W October 2017 W W - W November 2016 W W - W November 2017 W W - W October 2017 W W - W Michigan W W - W November 2017 W W - W November 2017 W W - W November 2017 W W - W November 2016 W W - W Missouri W W - W November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W <td< td=""><td>Iowa</td><td></td><td></td><td></td><td></td><td></td></td<>	Iowa					
November 2016 Family Control of the Control of	November 2017	-	W	-	3,091.8	
November 2016 Family Control of the Control of	October 2017	-	W	-	2,957.2	
November 2017 W W C W W C W W C W W				<u>-</u>		
November 2017 W W - W October 2017 W W - W November 2016 W W - 4,318.1 196 Kentucky Section W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W W - W - W - W - W - W - W - W - W - - W - - W - - - - - - - -					5,2 :5:5	
October 2017 W W - W 4,318.1 196 Kentucky W W - 4,318.1 196 Kentucky W W - W W - W OW Description W W - W W - W W - W W - W W - W W - W W - W - W - W - W - W - W - W - W - - W - W - - W - - W -		\\/	14/		\\/	V
November 2016 W W - 4,318.1 196 Kentucky November 2017 W W - W - W October 2017 W W W - W November 2016 W W W - W Michigan November 2017 W W W - W October 2017 W W W - W October 2017 W W W - W October 2017 W W W - W November 2016 W W W - W November 2017 W W W W - W November 2017 W W W W 5,300.0 October 2017 W W W W 5,454.7 November 2016 W W W W 5,642.8 Missouri November 2017 - W W W W 3,791.9 November 2017 - 3,791.9 October 2017 3,794.5				· -		
Kentucky November 2017 W W - W October 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W W 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				· ⁻		
November 2017 W W - W October 2017 W W - W November 2016 W W - W Michigan W W - W November 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W W 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		VV	VV	-	4,318.1	196.
October 2017 W W - W November 2016 W W - W Michigan W - W November 2017 W W - W October 2017 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri W W - 3,791.9 November 2017 - W - 3,791.9 October 2017 - - - 3,794.5						
November 2016 W W - W Michigan W W - W November 2017 W W - W October 2017 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,794.5				-		
Michigan November 2017 W W - W October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		W	W	-	W	
November 2017 W W - W October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	November 2016	W	W	-	W	\
October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	Michigan					
October 2017 W W - W November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5	November 2017	W	W	-	W	\
November 2016 W W - W Minnesota W W W 5,300.0 November 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				<u>-</u>		
Minnesota November 2017 W W S,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri November 2017 - W - 3,791.9 October 2017 - - - 3,746.5				-		\
November 2017 W W W 5,300.0 October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri Sovember 2017 - W - 3,791.9 October 2017 - - - 3,746.5						·
October 2017 W W W 5,454.7 November 2016 W W W 5,642.8 Missouri V November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		14/	14/	14/	5 200 0	\
November 2016 W W W 5,642.8 Missouri V - 3,791.9 November 2017 - - - 3,791.9 October 2017 - - - 3,746.5						
Missouri W - 3,791.9 November 2017 - - - 3,746.5 October 2017 - - - 3,746.5						'
November 2017 - W - 3,791.9 October 2017 - - - 3,746.5		W	W	W	5,642.8	\
October 2017 3,746.5						
			W			
November 2016 - W - 3,726.6				.		
	November 2016		W	<u> </u>	3,726.6	

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		Co	nventional		
	Sales to end users		Sa	les for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bull
PAD District 2 (cont.)					
Nebraska					
November 2017	W	W		1,766.7	
October 2017	W	W	-	1,708.0	
November 2016	W	W	-	1,927.6	
North Dakota					
November 2017	W	W	-	1,017.7	
October 2017	W	W	-	991.7	
November 2016	W	W	W	W	
Ohio					
November 2017	W	W	_	W	W
October 2017	W	W		W	W
November 2016	W	w		W	W
Oklahoma	**	**		•••	**
November 2017	W	W		4,441.4	589.3
October 2017		W		4,441.4	406.0
November 2016					334.6
	VV	VV	-	4,653.7	334.0
South Dakota					
November 2017		<u>W</u>	-	1,103.3	
October 2017	<u>W</u>	<u>W</u>	-	1,005.8	
November 2016	W	W	-	1,049.5	-
Tennessee					
November 2017		W	-	W	W
October 2017		W	-	10,450.4	
November 2016	W	592.4	W	W	-
Wisconsin					
November 2017	W	55.4	W	4,355.7	W
October 2017	W	57.5	W	4,264.6	W
November 2016	W	56.1	W	W	-
PAD District 3					
November 2017	1,057.0	1,104.9	W	W	W
October 2017	1,106.0	1,144.5	W	38,127.8	W
November 2016	1,245.9	W	69.9	37,499.1	10,550.5
Alabama					
November 2017	-	W	_	5,009.8	
October 2017		W		5,092.3	
November 2016	W	182.0	W	W	
Arkansas	•				
November 2017	_	_	-	3,080.1	
October 2017	·	-	-	3,059.4	
November 2016		W		W	
Louisiana	**	**	**	***	
		14/		6,327.4	1,921.6
November 2017	· 	<u>W</u>	-		
October 2017	· 	W	- 	6,447.8	1,433.9
November 2016	-	W	-	6,555.3	1,820.8
Mississippi					
November 2017	-	-	-	W	
October 2017					
November 2016	W	15.1	-	W	W
New Mexico					
November 2017	W	485.0	W	$-\ -\ -\ -\ -\ -\ -\ \underline{W}-\ -\ -\ -\ -$	
October 2017	W	500.4	W	W	
November 2016	455.4	465.1	W	W	
Texas					
November 2017		NA	W	W	W
October 2017	W	NA	W	W	W
November 2016	W	W	W	W	W

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated									
	Sales to end users		Sale	es for resale						
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bu					
PAD District 2 (cont.)										
Nebraska										
November 2017		_		_						
October 2017										
			· 	· - 						
November 2016	-	-	-	-						
North Dakota										
November 2017	-	-	-							
October 2017	-	-	-	-						
November 2016	-		<u>-</u>	<u>.</u>						
Ohio										
November 2017										
	-		· -	- 						
October 2017	.	-		-						
November 2016	-	-	-	-						
Oklahoma										
November 2017	-	-	_	-						
October 2017	<u>-</u>		<u>-</u>							
November 2016										
South Dakota										
November 2017	.	-	-	-						
October 2017	- -	-	-	-						
November 2016	-	-	-	-						
Tennessee										
November 2017				_						
October 2017										
			-							
November 2016	-	-	-	-						
Wisconsin										
November 2017	W	W	-	1,621.2						
October 2017	W	W	-	1,619.9						
November 2016	W	W	-	1,688.3						
PAD District 3										
				147						
November 2017		-	-	W						
October 2017	-	-	-	16,467.4						
November 2016	-	W	-	15,567.0						
Alabama										
November 2017	-	-	-	-						
October 2017	-									
November 2016										
	_	_	_	_						
Arkansas										
November 2017	.	-	-	-						
October 2017	-	-	-	-						
November 2016	-	-	-	-						
Louisiana										
November 2017										
			· 							
October 2017	-	-	-	-						
November 2016	-	-	-	-						
Mississippi										
November 2017	-	-	-	-						
October 2017	-	-	<u>-</u>	-						
November 2016			·	-						
New Mexico										
November 2017	-	-	- 	-						
October 2017	.	-	-	-						
November 2016	-	-	-	-						
Texas										
November 2017				W						
October 2017		_	-							
November 2016	-	-	-	· W						
				۱۸/						

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

		All f	ormulations		
	Sales to end users		Sa	les for resale	
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul
PAD District 2 (cont.)					
Nebraska					
November 2017	W	W	-	1,766.7	
October 2017	W	W	-	1,708.0	
November 2016	W	W	-	1,927.6	
North Dakota					
November 2017	W	W	_	1,017.7	
October 2017	W	W		991.7	
November 2016		W	W	W	
Ohio			••		
November 2017	W	W		W	V
October 2017	W			W W	<u>v</u>
			-		
November 2016	W	W	-	VV	V
Oklahoma					
November 2017	<u>W</u>	W	-	4,441.4	589.3
October 2017		W	-	4,485.5	406.0
November 2016	W	W	-	4,653.7	334.6
South Dakota					
November 2017		W	-	1,103.3	
October 2017	W W	W		1,005.8	
November 2016	W	W	-	1,049.5	
Tennessee					
November 2017	W	W	-	W	W
October 2017	W	W		10,450.4	
November 2016	W	592.4	w	W	
Wisconsin					
November 2017	W	W	W	5,976.9	W
October 2017		W		5,884.6	W
November 2016	W		vv	W	<u>v</u> v
	VV	VV	VV	vv	
PAD District 3					
November 2017	1,057.0	1,104.9	W	53,582.3	W
October 2017	1,106.0	1,144.5	W	54,595.3	W
November 2016	1,245.9	1,281.1	69.9	53,066.1	10,550.5
Alabama					
November 2017		W		5,009.8	
October 2017	-	W	-	5,092.3	
November 2016	W	182.0	W	W	
Arkansas					
November 2017	-	-	-	3,080.1	
October 2017				3,059.4	
November 2016	W	W	W	W	
Louisiana					
November 2017		W		6,327.4	1,921.6
October 2017		vv	-		
		W	-	6,447.8	1,433.9
November 2016	-	VV	-	6,555.3	1,820.8
Mississippi					
November 2017	-		-	<u>W</u>	
October 2017			-	<u>W</u>	
November 2016	W	15.1	-	W	W
New Mexico					
November 2017		485.0	W	W	
October 2017		500.4	W	W	
November 2016	455.4	465.1	W	W	
Texas					
November 2017	W	NANA	W	34,364.5	W
October 2017		NA	W	35,100.6	
November 2016	W	W	W	33,557.1	W

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Conventional										
	Sales to end users		Sales for resale								
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul						
PAD District 4											
November 2017	W	496.9	W	12,710.4	V						
October 2017	W	527.1	W	13,274.5	V						
November 2016	514.0	536.7	W	12,399.9	V						
Colorado											
November 2017	216.2	221.6	W	5,430.1	٧						
October 2017	231.3	235.2	W	5,676.5	V						
November 2016	232.7	236.9	W	W							
Idaho											
November 2017	W	W	_	1,563.2							
October 2017	W	W		1,615.6							
November 2016				1,446.9							
Montana		**		1,440.5							
	W	W		1 400 0							
November 2017				1,498.0							
October 2017			· 	1,688.3							
November 2016	W	W	-	1,375.4							
Utah											
November 2017	W	W	W	3,253.8							
October 2017	W	W	W	3,282.7							
November 2016	W	W	W	W	\						
Wyoming											
November 2017	W	11.9	.	965.3							
October 2017	W W	13.1	.	1,011.5							
November 2016	W	14.8	-	1,129.9							
PAD District 5											
November 2017	1,394.5	1,469.9	W	13,569.0	V						
October 2017	W	1,530.6	VV W	W	V						
November 2016	vv	W	vv W		V						
	VV	VV	VV	VV	V						
Alaska			0.5.0								
November 2017		<u>W</u>	96.3		<u>`</u>						
October 2017		<u>W</u>	101.7								
November 2016	W	W	95.8	W	\						
Arizona											
November 2017		W	267.2	W							
October 2017		W	481.9	W							
November 2016	W	W	478.5	W							
California											
November 2017			.								
October 2017											
November 2016	-	-	-	-	\						
Hawaii											
November 2017	W	W	W	W	\						
October 2017		W	W	W							
November 2016	- W	W	W	W	N.						
Nevada		••	••	••	• • •						
November 2017	W	W	W	1,801.1	V						
October 2017		W		1,843.1	V						
November 2016		<u>v</u> v W	v v	1,667.9	V						
	VV	vv	VV	1,007.5	`						
Oregon	442.4	442.4	14/	2 202 7							
November 2017	113.1	113.1	W	3,392.7	126						
October 2017	115.3	115.3	952.9	3,421.6	136						
November 2016	112.4	112.4	W	2,732.3	\						
Washington											
November 2017	391.8	403.3	W	5,757.1	V						
October 2017	422.6	429.9	W	6,070.9							
November 2016	313.4	315.9	W	5,572.1	\						

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.) thousand gallons per day

	Reformulated										
	Sales to end users		Sales for resale								
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bu						
PAD District 4											
November 2017	-										
October 2017 November 2016	-	-	<u>-</u>								
Colorado											
November 2017	-										
October 2017 November 2016	-	-	-	-							
Idaho											
November 2017	-	-	_	-							
October 2017			<u>-</u>	<u>-</u>							
November 2016											
Montana											
November 2017											
											
October 2017	-	-									
November 2016	-	-	-	-							
Utah											
November 2017		-									
October 2017	-	-		-							
November 2016	-	-	-	-							
Wyoming											
November 2017	-	_	_	_							
October 2017	<u>-</u>										
November 2016											
	_	_	_	-							
PAD District 5											
November 2017	4,181.6	4,185.5	WW	21,362.9	\						
October 2017	W	4,530.9	W	W	\						
November 2016	W	W	W	W	١						
Alaska											
November 2017	_	-	_	_							
October 2017											
November 2016											
Arizona											
November 2017		W	W	W							
October 2017											
November 2016		W	VV	W	,						
California											
November 2017	4,181.6		15,229.5	W							
October 2017		W	15,324.2	19,032.6							
November 2016	W	W	15,638.6	18,049.5	1						
Hawaii											
November 2017	-	-	-	-							
October 2017	-	-	-	-							
November 2016		<u>-</u>		<u>-</u>							
Nevada											
November 2017											
October 2017		-									
											
November 2016	-	-	-	-							
Oregon											
November 2017											
October 2017											
November 2016	-	-	-	-							
Washington											
November 2017	-	-	-	-							
October 2017											
November 2016			<u>-</u>								
veilibei 2010											

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	All formulations									
	Sales to end users		Sales for resale							
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bul					
PAD District 4										
November 2017	W	496.9	W	12,710.4	W					
October 2017	W	527.1	W	13,274.5	W					
November 2016	514.0	536.7	W	12,399.9						
Colorado				,						
November 2017	216.2	221.6	W	5,430.1	W					
October 2017	231.3	235.2		5,676.5						
November 2016	232.7	236.9		W	<u>v</u>					
	252.7	230.9	VV	VV						
Idaho										
November 2017	W	-		1,563.2						
October 2017	W	\underline{W}		1,615.6						
November 2016	W	W	-	1,446.9						
Montana										
November 2017	W	W	-	1,498.0						
October 2017	W	W	-	1,688.3						
November 2016	W	w		1,375.4						
Utah				,						
November 2017	W	W	W	3,253.8	V					
October 2017					<u>v</u>					
				3,282.7						
November 2016	W	W	W	W	V					
Wyoming										
November 2017	W		-	965.3						
October 2017	W	13.1	-	1,011.5						
November 2016	W	14.8	-	1,129.9						
PAD District 5										
November 2017	5,576.1	5,655.4	20,039.4	34,931.8	2,137.8					
October 2017	5,991.2		20,464.0							
		6,061.5		35,682.5	2,181.0					
November 2016	5,614.1	5,664.1	W	33,459.6	W					
Alaska										
November 2017		W	96.3	W	W					
October 2017		W	101.7	W	<u>W</u>					
November 2016	W	W	95.8	W	V					
Arizona										
November 2017	W	W	W	4,901.2	W					
October 2017	W	W	W	4,686.7	W					
November 2016	W	W	W	4,774.2	W					
California				·/··						
November 2017	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2					
October 2017	4,526.1	4,527.9	15,324.2	19,032.6	1,635.					
November 2016	W	W	15,638.6	18,049.5	2,170.3					
Hawaii										
November 2017		W	W	W	<u>V</u>					
October 2017	W	W	W	W	V					
November 2016	W	W	W	W	N/					
Nevada										
November 2017	W	W	W	1,801.1	W					
October 2017	W	W	W	1,843.1	W					
November 2016	- W			1,667.9						
	**	**	**	1,007.5	•					
Oregon	112.1	113.1	14/	2 202 7	V					
November 2017	113.1	113.1	W	3,392.7						
October 2017		115.3	952.9	3,421.6	136.					
November 2016	112.4	112.4	W	2,732.3	V					
Washington										
November 2017	391.8	403.3	W	5,757.1	<u>W</u>					
October 2017	422.6	429.9	W	6,070.9	W					
November 2016	313.4	315.9	W	5,572.1						
	313.4	515.5	**	5,51 L .1						

^{- =} No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[[]a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state

thousand gallons per day

	Aviation ga	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	
United States											
November 2017	W	410.3	30,065.5	37,447.6	W	1,160.7	104.7	2,238.2	4,377.8	36,714.5	
October 2017	W	458.9	29,483.1	39,373.3	W	1,038.2	73.9	1,004.8	3,863.3	30,382.8	
November 2016	W	395.5	31,569.4	30,400.1	W	1,425.4	114.3	1,742.1	5,316.0	35,350.3	
PAD District 1											
November 2017	W	132.5	3,822.8	7,826.1	W	297.8	-	W	W	7,370.7	
October 2017	W	126.4	3,880.1	7,296.8	W	409.3	-	W	W	5,176.6	
November 2016	W	132.1	4,571.4	6,556.8	16.2	493.6	W	W	W	6,363.3	
Subdistrict 1A											
November 2017	W	W	236.5	715.9	W	W	_	W	W	1,386.4	
October 2017		W	219.6	860.3	W				W	802.2	
November 2016	W	W	293.5	278.3	W	W	W	W	W	1,242.0	
Connecticut											
November 2017		- _	W	W		W			- _	144.6	
October 2017		_ _	W_	W_	- _		- _		- _	89.1	
November 2016	-	-	W	W	-	W	-	-	-	114.0	
Maine											
November 2017	-	W_	W_	W_	- _ :		- _		W_	459.0	
October 2017	-	W_	W_	W_	_ _				W_	254.9	
November 2016	W	W	W	W	-	-	W	W	W	343.9	
Massachusetts											
November 2017	-	- -	W	677.7		- -	- -		- -	159.4	
October 2017	-	- -	W	809.6	<u>W</u>	- -			- -	116.9	
November 2016	-	-	W	W	W	-	-	-	-	175.7	
New Hampshire											
November 2017	-	- _	W	W_	<u>W</u> _	- _	- _	W	- -	141.5	
October 2017	-	- -	<u>W</u>	W		- -	- _		- -	86.2	
November 2016	-	-	W	W	W	-	-	-	-	169.4	
Rhode Island			W	W	W					W	
November 2017 October 2017	-	- -		W W	W	- -	- _	-	- -		
November 2016		- -	v v		W		- -				
Vermont			••	**	**					•	
November 2017	W	-	W	W	_	_	_	-	_	W	
October 2017			W	W						W	
November 2016		-	W	W				W	W	W	
Subdistrict 1B											
November 2017	-	W	1,824.7	5,334.9	9.7	233.1	-	6.9	-	2,768.8	
October 2017	W	W	1,890.8	4,828.1	W	368.7	-	1.3	W	1,799.2	
November 2016	-	W	2,298.1	4,476.7	9.4	416.7	W	W	W	2,504.1	
Delaware											
November 2017		- _	-	- _	W_	W_	- _		- _	W	
October 2017	-		-	W_	W_	W_	- _		_ _	W	
November 2016	-	-	-	-	W	-	-	-	-	W	
District of Columbia											
November 2017	-			- _							
October 2017				- -					- -		
November 2016	-	-	-	-	-	-	-	-	-		
Maryland											
November 2017	-	- _	W	72.1		W_			- -	M	
October 2017	-	- -	W	48.5	- _	W_	- -		- -	W	
November 2016	-	-	W	45.1	-	W	-	-	-	W	
New Jersey											
November 2017	-	W_	681.0	NA_	<u>W</u> _		- _	- -	- -	375.8	
October 2017	- -	- -	722.5	WW	<u>W</u>	W_	- _		- -	282.5	
November 2016	-	-	1,123.2	2,675.3	W	353.1	-	-	-	364.7	
New York		141	0247	76.3	147	147		147		7427	
November 2017		W	824.7	76.2	W -	W_	- -	W	- -	713.8	
October 2017		<u>W</u> _	872.4	94.0	<u>W</u>	W_	- -	W	W	385.8	
November 2016	-	W	W	88.3	W	W	-	W	W	657.4	
Pennsylvania		141	147	2 002 0	2.7	7.0		1		4.2507	
November 2017	-	<u>W</u> _	W	2,002.8	3.7	7.0	- -	W	- -	1,356.8	
October 2017	-	W_	W	1,521.0	W_	1.6	- -	W	W	931.7	
November 2016	-	W	W	1,667.9	4.0	3.0	VV	W	W	1,180.0	

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and **state (cont.)** thousand gallons per day

	Aviation ga	soline	Kerosene-type jet fuel		Kerose	ne	No. 1 dis	tillate	Propane (consumer grade)		
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	
Subdistrict 1C											
November 2017	W	98.2	1,761.6	1,775.3	W	W		W	_	3,215.5	
October 2017		91.7	1,769.7	1,608.5	W	40.6		V V	W	2,575.3	
November 2016	W	107.0	1,979.8	1,801.8	W	40.0 _ W				2,617.	
Florida	VV	107.0	1,373.0	1,801.8	VV	VV	_	vv	VV	2,017.2	
November 2017		75.5	1,119.9	1,422.7	W	W				396.9	
October 2017		66.0	1,027.1	1,181.3	W				· - - ·	364.9	
November 2016		78.1	1,464.1	1,367.3	W	W				357.0	
Georgia		76.1	1,404.1	1,307.3	VV	VV				337.0	
November 2017	W	W	W	95.7		W		W		544.:	
October 2017		v v -	V	127.6		v v -		V		474.	
November 2016	W	v v -	- - - - - - - -	<u> W</u>		v		W	· ·	535.	
North Carolina	**	**	**	**		**		**		333	
November 2017	_	W	W	W	W	W				929.2	
October 2017	-		W	vv _ 124.3	W	W	- -		 -	753.	
November 2016	- W	<u>v</u> v _	vv	163.5	W	W			· - - ·	745.	
	VV	VV	VV	105.5	VV	VV	-	-	-	743.	
South Carolina			14/	72.0	14/	14/				664	
November 2017	-	- -	<u>W</u>	72.8	<u>W</u>	W_	- -	- -	- - :	661.	
October 2017 November 2016	-	- -	<u>W</u>	72.6 65.8	W		- -		-	432. 590.	
	-	-	VV	65.8	VV	VV	-	-	-	590.4	
Virginia		147	247.0	W		14/				246	
November 2017			317.0			W_			 -	246.4	
October 2017		W	366.2	W_		W_			 -	174.6	
November 2016	-	W	157.4	146.3	W	W	-	-	-	V	
West Virginia											
November 2017	-	- -		W_	W	- -			· <u></u> - ·	437.	
October 2017 November 2016			$\overline{M}-$		<u>M</u> -	- -	- -		W_	375.3 W	
PAD District 2											
November 2017	W_	102.6	6,208.0	4,970.9	W_	W	12.2	1,658.2	W_	14,370.9	
October 2017	W_	W_	5,505.8	5,163.5_	W_	W	7.7	545.5	W_	10,249.6	
November 2016	W	102.7	6,082.1	4,687.7	W	W	7.6	1,145.6	W	8,619.0	
Illinois November 2017	_	W	1,294.2	W	W	W	W	36.3	W	2,000.0	
October 2017	- W	v v -	NA	v v -		v v -	v v	8.3		1,793.	
November 2016	vv	v v -		v v -		v v -	v v	o.5 _ W			
	VV	VV	1,537.8	VV	VV	VV	VV	VV	VV	1,398.	
Indiana			0.47.0	220.2	14/	17.0		14/		270	
November 2017	-	- -	847.8	328.3_	<u>W</u>	17.8	- -	W_		379.	
October 2017	-	- -	851.0	305.5_	<u>W</u>	8.6	- -	W_	W_	428.0	
November 2016	-	-	715.2	277.4	W	W	-	VV	W	193.8	
lowa			0.0	60.0				400.2	147	4 205	
November 2017	- -	- -	8.9	68.9	- -	 -		199.3		1,305.	
October 2017 November 2016	-	- -	10.7	70.0	- -	W_		44.0	W	939.	
	-	-	W	W	-	W	-	169.0	W	460.8	
Kansas											
November 2017		W		W		W_	<u>W</u> _	146.6	- - :	3,662.1	
October 2017		W		W		W_	W_	52.0	 -	2,435.3	
November 2016	W	W	W	W	-	W	-	95.6	W	2,037.6	
Kentucky											
November 2017	-	W_	1,072.4	519.7	W	W_		W_	W	675.2	
October 2017	-	W_	W	W_	W	W_	W_	W_	· <u></u> - ·	444.9	
November 2016 Michigan	-	W	W	487.1	W	W	W	W	W	427.4	
November 2017			152.3	403.1	W_	W	W_	23.2	W_	884.0	
October 2017	W		NA_	556.5	W_	W	W	W	W	492.2	
November 2016	-	-	W	438.5	W	W	W	W	W	643	
Minnesota											
November 2017	W	W	W	W	W	NANA	W	337.0	W	1,374.	
October 2017	W	W	W	W	W	W	W	98.8	W	890.9	
November 2016	W	W	W	W	W	W	3.6	217.1	W	587.3	
Missouri											
November 2017	W	-	W	W	-	W	_	9.4	_	393.	
October 2017	W_	<u>-</u>	W			- • -		1.6		292.2	
November 2016	 	W	W	W		<u>-</u>		7.1	W	300.0	
			••					,,,	•••	555.0	

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and **state (cont.)** thousand gallons per day

	Aviation g	asoline	Kerosene-ty	pe jet fuel	Kerose	ne	No. 1 dis	tillate	Propane (const	umer grade)
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.) Nebraska										
November 2017	W_		W_	W			W_	130.4		249.3
October 2017	W_		W_	W_	-		W_	42.2	- _	253.4
November 2016	W	-	W	W	-	-	W	105.6	W	152.0
North Dakota										
November 2017	. .		W_	W_	-	W_	3.7	439.3	W_	717.3
October 2017	. .		W_	W	-		W_	163.6	W_	540.1
November 2016	-	-	W	W	-	-	-	245.1	W	369.3
Ohio										
November 2017	- _	W_	464.1	658.9	W_	W		W	- _	766.0
October 2017	 .	W_	478.8	647.3	W_	W_		W	- _	612.6
November 2016	W	-	500.8	733.9	W	W	-	W	W	746.5
Oklahoma										
November 2017	W_		W_	433.5	-	W_		36.3	- _	245.8
October 2017	W_		W_	475.2	-	W_		28.3	- _	211.3
November 2016	W	-	W	313.1	-	W	-	W	-	219.4
South Dakota										
November 2017	- -		W_		-	W_	W_	134.2	W_	281.7
October 2017	- -		W_		-	- -	W_	59.0	W_	191.0
November 2016	-	-	W	W	-	-	W	112.3	W	153.5
Tennessee										
November 2017	W_	W_	W_	146.5	W	W_		W_	- -	198.8
October 2017	- -	19.0	W_	160.0	W	W_		W_	- -	168.9
November 2016	-	W	W	151.2	W	W	-	-	-	209.2
Wisconsin										
November 2017	- -		W_	W_	W_	NA_	W_	129.3	W_	1,237.5
October 2017	- -	- -	W_	W_	<u>W</u>	W_		24.0	W	554.9
November 2016	-	-	W	W	W	W	W	W	W	720.6
PAD District 3										
November 2017	W_	102.2	6,453.9_	16,315.1_	-	739.9		W	3,931.2	11,825.5
October 2017	W_	142.1	6,851.0	18,604.8	-	563.4		W	3,580.4	11,908.0
November 2016	W	97.9	7,996.0	10,225.3	-	812.1	-	W	5,120.5	17,358.3
Alabama										
November 2017	W_		90.7	80.2	-	W_			- _	352.4
October 2017	- _		95.2	W_	-	W_		- -	- _	244.5
November 2016	-	W	228.4	63.9	-	28.4	-	-	-	293.0
Arkansas										
November 2017	W_		W_	W_	-	W_			- _	55.1
October 2017	W_		W_	96.4	-	- -			- -	W
November 2016	W	W	W	W	-	-	-	-	-	W
Louisiana November 2017		_	1,032.1	6,048.1		W		W	803.1	173.1
October 2017		4.1	1,193.4	6,922.0	· - - ·				W	123.3
November 2016		6.9	1,025.2	3,720.7		v v -		V V	V V	151.2
Mississippi		0.5	1,023.2	3,720.7		**		**	**	131.2
November 2017	_	W	701.9	1,116.2	_	W			_	398.5
October 2017	- -		W	1.600.9	· - - ·	v v -			· - -	280.0
November 2016	-	v v -	738.1	1,633.7	·	v v -		<u>-</u>	-	254.8
New Mexico		• •	, 50.1	2,055.7		••				254.0
November 2017	W	_	W_	W	_	_		_	_	83.0
October 2017		<u>-</u> -		W	·	<u>-</u> -		<u>-</u>	W_	W
November 2016		<u>-</u>	W	W	<u>-</u>	<u>-</u>				V
Texas	**		**	**					**	**
November 2017	W	W	4,567.7	8,939.8	_	6.4	_	_	3,128.0	10,763.4
October 2017		W	4,658.2	9,832.7	<u>-</u>	3.9			2,866.2	11,148.0
November 2016		86.7	5,933.3	4,707.0		4.1			4,009.1	16,545.6
		55.7	2,555.5	.,,					.,005.1	_ 5,5 .5.0

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and **state (cont.)** thousand gallons per day

	Aviation gas	soline	Kerosene-typ	oe jet fuel	Kerosene		No. 1 d	istillate	Propane (consumer grade)	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
November 2017	W	W	933.2	697.2	_	_	W	278.0	W	1,055.7
October 2017	W	W	969.4	843.4			W	179.6	W	904.9
November 2016	W	W	876.3	922.9			5.7	237.6	W	936.1
	VV	VV	870.3	322.3			5.7	237.0	VV	930.1
Colorado										0.00
November 2017	W	- -	275.1	NA		- -	- -	90.8	W_	367.0
October 2017	W		W_	NA_			- -	62.8	- -	339.6
November 2016	W	-	381.3	540.3	-	-	W	70.8	W	314.3
Idaho										
November 2017			W	15.9			W	18.9	W	W
October 2017	-	-	W	13.2	-	-	W	8.9	W	W
November 2016			W	20.7			W	18.9	W	42.0
Montana										
November 2017		W	W	W			W	84.2	W	163.0
	 -				-	- -				
October 2017		W		W_	-	- -	W.	56.3		150.1
November 2016	W	W	W	W	-	-	W	65.5	W	139.3
Utah										
November 2017	W	W_	375.6_	225.5			W	25.4	- _	W
October 2017	W	W	465.1	246.8				14.4	. .	W
November 2016	W	W	359.3	302.8	-	-	W	21.8	W	117.9
Wyoming										
November 2017	_	_	W	W	_	_	W	58.7	_	366.5
October 2017			W	W			 .	37.2	W	305.5
	 -	- -	V V	v v		-	·		vv -	
November 2016	-	-	VV	VV	-	-	-	60.6	VV	322.6
PAD District 5										
November 2017	W	W	12,647.6	7,638.4	W	W	W	294.0	W	2,091.8
October 2017	W	71.4	12,276.9	7,464.9	W	W	W	277.1	W	2,143.7
November 2016	W	W	12,043.5	8,007.5	W	W	W	311.3	W	2,073.6
Alaska	**	**	12,043.3	0,007.5	**	•••	**	511.5	**	2,073.0
	14/	14/	147					141	147	14.
November 2017	W	W_	W	W_	-		W_	W		W
October 2017	W	W_	W	W_		- -	W_	W	W	W
November 2016	W	W	W	W	-	-	W	W	W	W
Arizona										
November 2017	W	W	214.1	227.8						107.9
October 2017	W	W	156.9	242.0	-	-	-	-	-	135.3
November 2016	W	W	202.3	222.5				-	W	169.4
California										
November 2017		28.6	7,449.5	5,955.9		W			_	1,304.3
	-				-		· - -	- -		
October 2017	-	36.0	7,617.5_	5,772.9	-	W_	- -	-		1,274.1
November 2016	-	29.9	7,057.7	6,246.3	-	W	-	-	W	1,233.5
Hawaii										
November 2017		W	W_	W_					. .	W
October 2017		W	W	W	-		-	-	-	W
November 2016	-	NA	W	W	-	-	-	-	_	W
Nevada										
November 2017			W	W						89.9
										89.4
October 2017	-	- -					- -	- -		
November 2016	-	-	W	W	-	-	-	-	-	75.4
Oregon										
November 2017		10.8	W_	61.8			-	W	W_	W
October 2017		12.7	W	73.8				W	W	76.1
November 2016		10.4	414.6	40.7			-	W	W	W
		10.4	717.0	40.7				• • • • • • • • • • • • • • • • • • • •	**	**
Washington			2.020.0	400.0	147				14.	404.0
November 2017	-	W_	2,028.0_	198.9_	W		W.	W		481.3
October 2017	-	W_	1,688.1	233.3	W		W_	W	W	527.4
November 2016	-	W	1,767.7	300.7	W	-	W	W	W	481.8

^{- =} No data reported.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding. Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state thousand gallons per day

		No. 2 diesel fuel						
	Ultra-low sulfur		Low-sul		High-sulfur			
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resal		
United States								
November 2017	12,655.7	149,444.2	W	W	W	<u>V</u>		
October 2017	11,986.5	154,629.7		3,343.9	W	1,086.		
November 2016	12,903.6	140,141.5	W	W	W	V		
PAD District 1								
November 2017	<u>W</u> _	30,272.3		W		<u>V</u>		
October 2017	W	29,307.1	-	W	-	V		
November 2016	1,936.0	26,328.0	-	W	-	V		
Subdistrict 1A								
November 2017		W_	-					
October 2017		W			 -			
November 2016	W	W	-	-	-			
Connecticut	14/	14/						
November 2017	$- \ - \ - \ - \ - \ - \ - \ - \ \frac{W}{W} -$	$ \frac{W}{W} -$	-					
October 2017	vv - W	w	-					
November 2016	VV	VV	-	-	-			
Maine		14/						
November 2017 October 2017	- -	$- \ - \ - \ - \ - \ - \ - \ \frac{W}{W} -$	-	- -	-			
November 2016			<u>-</u>					
	-	VV	-	-	-			
Massachusetts November 2017	W	W						
October 2017			-					
November 2016	<u>vv</u> _	181.8	<u>-</u>					
New Hampshire	VV	101.0						
November 2017	W	W						
October 2017	W	W						
November 2016	W	W	<u>-</u>					
Rhode Island		•••						
November 2017	W	W			_			
October 2017	W	W		<u>-</u>				
November 2016	W	W	-					
Vermont								
November 2017	W	W	-	-	-			
October 2017		W						
November 2016	W	W	-	-	-			
Subdistrict 1B								
November 2017	W	W	-	W	-	V		
October 2017	W	W		W		V		
November 2016	W	W	-	W	-	V		
Delaware								
November 2017	W_	W_	-	- _	-			
October 2017	W_	W_			- -			
November 2016	W	W	-	-	-			
District of Columbia								
November 2017	- _	W_			- -			
October 2017	- _	W_			- -			
November 2016	-	W	-	-	-			
Maryland								
November 2017	W_	W_			-	V		
October 2017	W_	W_	-					
November 2016	W	W	-	-	-			
New Jersey								
November 2017	$_______________W_$	W_	 _	W_	- -			
October 2017		$_________W_$	 _	W_	-			
November 2016	W	W	-	W	-			
New York								
November 2017	-	W_	 _	- _	-	V		
October 2017		W_	 _	- -	- - _	\		
November 2016	W	W	-	-	-	\		
Pennsylvania								
November 2017	272.0	6,485.6	-		- -			
October 2017		W_	 -					
November 2016	W	5,657.9						

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)

thousand gallons per day

No. 2 diesel fuel Ultra-low sulfur Low-sulfur High-sulfur Geographic area month Sales to end users Sales for resale Sales to end users Sales for resale Sales to end users Sales for resale Subdistrict 1C November 2017 866.8 W October 2017 785.9 W November 2016 1,240.0 W Florida November 2017 318.3 4.762.6 October 2017 260.5 4,634.7 November 2016 471.7 4,454.5 Georgia November 2017 94.8 2,244.9 October 2017 2,355.0 65.4 2,268.2 November 2016 101.2 North Carolina November 2017 274.3 October 2017 W W 398.9 November 2016 W South Carolina November 2017 W 1,306.3 October 2017 1,340.3 W November 2016 W 1,189.1 Virginia November 2017 12.2 W October 2017 2,357.6 12.8 2,198.8 November 2016 31.2 West Virginia November 2017 W W October 2017 W W November 2016 W W PAD District 2 November 2017 W W October 2017 W W November 2016 W W Illinois November 2017 W 6,016.5 October 2017 W 6,021.0 November 2016 315.1 6,162.4 Indiana November 2017 W 3,801.5 3,944.8 October 2017 W November 2016 W 3,660.4 Iowa 2,724.6 November 2017 18.7 October 2017 15.0 2.668.3 November 2016 15.7 2,525.2 Kansas November 2017 480.0 3,471.9 October 2017 379.6 3,330.6 November 2016 W 3,391.5 Kentucky November 2017 W W October 2017 W 1,792.9 November 2016 w W Michigan November 2017 W W October 2017 W W November 2016 W W Minnesota November 2017 W 2,868.0 October 2017 W 3,602.8 November 2016 W 2,649.2 Missouri November 2017 W 1,661.4 October 2017 W 1,834.9

November 2016
See footnotes at end of table.

1,506.2

W

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.) thousand gallons per day

		No. 2 diesel fuel						
Geographic area month	Ultra-low	sulfur	Low-sul	fur	High-sulfur			
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale		
PAD District 2 (cont.) Nebraska								
November 2017	W	1,588.4	-	-	-	-		
October 2017	W	1,648.2		<u>-</u>				
November 2016	W	1,471.2		<u>-</u>				
North Dakota		,						
November 2017	W	1,132.4		_	_			
October 2017		1,760.8						
November 2016	W	1,237.0						
	VV	1,237.0						
Ohio	14/	4 020 2						
November 2017		4,829.2		- -		·		
October 2017	725.2	5,022.1		 -				
November 2016	924.6	5,247.4	-	-	-			
Oklahoma								
November 2017	512.0	5,913.2		 _				
October 2017	533.8	5,505.1	-	. _	.	.		
November 2016	W	5,871.8	-	-	-			
South Dakota								
November 2017	W	755.6	_	_	_	-		
October 2017	 W	847.3	<u>-</u>		<u>-</u>			
November 2016	 	648.0						
Tennessee	VV	040.0						
	251.2	2 210 2						
November 2017	351.3	3,218.3		- -		·		
October 2017	283.8	3,434.5		 -				
November 2016	530.7	2,904.3	-	-	-	-		
Wisconsin								
November 2017	W	W_	-	 .	-			
October 2017	W	W	-	. .	-	.		
November 2016	W	W	-	-	-	-		
PAD District 3								
November 2017	W	49,931.3	W	W	-	W		
October 2017	W	51,522.1	W	W		W		
November 2016	W	45,245.3	W	W				
Alabama		-,						
November 2017	149.9	1,449.4	_	_	_	_		
October 2017	159.1	1,532.6						
November 2016	164.4							
	104.4	1,489.0	-	-	-	-		
Arkansas								
November 2017		1,442.7	-	- -	-	.		
October 2017	W	1,556.5	-	 -				
November 2016	W	1,332.3	-	-	-	-		
Louisiana								
November 2017	161.0	W_		W_		W		
October 2017	197.0	12,622.7		W	-	NA		
November 2016	241.7	W		W		376.5		
Mississippi								
November 2017	50.7	W	_	_	_	_		
October 2017	31.0	1,847.1						
						v v		
November 2016	89.5	W	-	-	-	-		
New Mexico								
November 2017	330.7	1,338.8	- -	 -				
October 2017	356.4	1,376.1		- _				
November 2016	265.3	1,130.8	-	-	-	-		
Texas								
November 2017	2,073.0	31,216.6	W_	W_		W		
October 2017	1,689.2	32,587.3	W_	W_		W		
November 2016	1,713.6	28,263.1	W	W		W		
	=,. =510							

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)

thousand gallons per day

No. 2 diesel fuel Ultra-low sulfur Low-sulfur High-sulfur Geographic area month Sales to end users Sales for resale Sales for resale Sales to end users Sales for resale PAD District 4 November 2017 W W October 2017 W 7.068.9 November 2016 W 6,832.7 Colorado November 2017 236.6 2.054.6 October 2017 231.7 2.255.9 November 2016 261.2 1,885.9 Idaho November 2017 W 672.4 October 2017 864.7 W 851.8 November 2016 W Montana November 2017 1,042.1 October 2017 W 1,246.7 November 2016 W 1,033.2 Utah November 2017 326.9 W October 2017 1,649.6 W November 2016 331.1 1,797.6 Wyoming November 2017 417.6 897.5 October 2017 1,052.1 402.3 November 2016 384.7 1,264.2 PAD District 5 November 2017 W W W W W October 2017 W W W W W November 2016 W W W Alaska November 2017 W W October 2017 W W November 2016 W W Arizona November 2017 405.8 1,024.0 October 2017 381.3 1,108.5 November 2016 381.8 941.2 California November 2017 1,166.1 W W October 2017 1,096.9 W \٨/ November 2016 1,258.5 W W Hawaii November 2017 W W W W W October 2017 W W W W W November 2016 W W W W W Nevada November 2017 W 518.2 529.5 October 2017 W November 2016 W 353.1 Oregon November 2017 7.5 2,051.1 7.1 October 2017 2,223.3 November 2016 9.5 1,930.2 Washington November 2017 W 2,927.0 October 2017 W 3,697.2 November 2016 3.358.9 W

^{- =} No data reported.

NA = Not available.
W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state thousand gallons per day

	No. 2 fuel oil		No. 2 distillate		
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resa	
United States					
November 2017	151.7	10,663.9	13,051.0	164,316	
October 2017	107.5	6,894.1	12,382.3	165,954	
November 2016	163.1	9,081.0	13,339.8	151,948	
DAD District 4					
PAD District 1	\A/	C 24.5.6	4.502.0	27.455	
November 2017	W	6,216.6	1,562.8	37,155	
October 2017	W	4,642.6	1,483.4	34,354	
November 2016	55.1	6,103.5	1,991.1	32,527	
Subdistrict 1A					
November 2017	-	W	W	1,873	
October 2017		W	W	1,181	
November 2016	W	W	31.7	1,726	
Connecticut					
November 2017	<u>-</u>	W	W	471	
October 2017		W	W	N	
November 2016	-	W	W	490	
Maine					
November 2017	-	W	-	207	
October 2017	-			201	
November 2016	W	 	W	136	
Massachusetts	**	••	••	150	
November 2017		W	W	438	
October 2017		vv W	W	251	
November 2016			W	181	
	-	-	VV	101	
New Hampshire		W	W		
November 2017					
October 2017	.	W			
November 2016	-	W	W		
Rhode Island				=	
November 2017	-	W	<u>W</u>	504	
October 2017	-	<u>W</u>	<u>W</u>	289	
November 2016	-	W	W		
Vermont					
November 2017		W	W		
October 2017		W	W		
November 2016	-	W	W		
Subdistrict 1B					
November 2017	W	5,218.8	W	20,899	
October 2017	W	4,322.9	w	19,188	
November 2016	W	5,293.0	719.4	17,745	
Delaware		,		,	
November 2017	_	W	W		
October 2017			 		
November 2016			W		
		**	**		
District of Columbia					
November 2017	-	 :			
October 2017	-	 :			
November 2016	-	-	-		
Maryland					
November 2017		W	W	1,293	
October 2017		W	W	1,10	
November 2016	W	W	W	1,16	
New Jersey					
November 2017	W	2,805.8	203.6	9,73	
October 2017	-	2,271.5	153.2	8,66	
November 2016	W	2,908.7	211.5	7,560	
New York					
November 2017	W	800.3	182.0	1,74	
October 2017	<u>-</u>	262.0	175.8	1,21	
November 2016	W	928.9	176.7	1,907	
Pennsylvania	••			_,,50,	
November 2017	-	1,104.4	272.0	7,590	
October 2017	W	W	322.5	7,654	
November 2016	W	1,092.5	317.3	6,750	
14040111001 2010	VV	1,034.3	317.3	0,730	

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.) thousand gallons per day

	No. 2 fuel oil		No. 2 distillate		
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resa	
Subdistrict 1C					
November 2017	-	W	866.8	14,382	
October 2017	-	W	785.9	13,983	
November 2016	-	W	1,240.0	13,054	
Florida					
November 2017	_	-	318.3	4,762	
October 2017			260.5	4,634	
November 2016			471.7	4,45	
			7/1./	7,73	
Georgia			24.2	2.24	
November 2017	- :		94.8	2,24	
October 2017	.		65.4	2,35	
November 2016	-	-	101.2	2,26	
North Carolina					
November 2017	.	W	274.3	2,81	
October 2017	.	W	W	2,67	
November 2016	-	W	398.9	2,37	
South Carolina					
November 2017	-	_	W	1,30	
October 2017				1,34	
November 2016				1,18	
			**	1,10	
Virginia		144	42.2	2.64	
November 2017	.	W		2,64	
October 2017		- -	12.8	2,35	
November 2016	-	-	31.2	2,19	
West Virginia					
November 2017	-	W	W	60	
October 2017	-	W	W	62	
November 2016	-	W	w	56	
PAD District 2					
November 2017	W	W	4,722.4	45,05	
October 2017	<u>W</u>	W	4,398.2	46,61	
November 2016	W	W	5,059.2	44,18	
Illinois					
November 2017	.	_	W	6,01	
October 2017	.	_	W	6,02	
November 2016	-	-	315.1	6,16	
Indiana					
November 2017	-	_	W	3,80	
October 2017				3,94	
November 2016					
	-	-	VV	3,66	
lowa					
November 2017	 -	-	18.7	2,72	
October 2017	. 	-	15.0	2,66	
November 2016	-	-	15.7	2,52	
Kansas					
November 2017	-	-	480.0	3,47	
October 2017			379.6	3,33	
November 2016			W	3,39	
			**	3,33	
Kentucky					
November 2017		W		1,82	
October 2017	.	-		1,79	
November 2016	-	W	W	1,87	
Michigan					
November 2017	-	W	W	2,75	
October 2017	-	W	W	2,78	
November 2016		W	W	2,72	
Minnesota		••	**	2,72	
	147		246.2	2.00	
November 2017	<u>W</u>	-	316.3	2,86	
October 2017	<u>W</u>	-	316.6	3,60	
November 2016	W	-	273.6	2,64	
Missouri					
November 2017	-	-	W	1,66	
November 2017					
October 2017	-	-	W	1,83	

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.) thousand gallons per day

	No. 2 fuel oil		No. 2 distillate		
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resa	
PAD District 2 (cont.)					
Nebraska					
November 2017		_ 	W	1,588	
October 2017		_		1,648	
November 2016	-	-	W	1,471	
North Dakota					
November 2017		_	W	1,132	
October 2017	W	_ 	W	1,760	
November 2016	W	-	W	1,237	
Ohio					
November 2017		-	<u> </u>	4,829	
October 2017	-		725.2	5,02	
November 2016	-	-	924.6	5,24	
Oklahoma			F12.0	F 01	
November 2017 October 2017			512.0	5,913	
November 2016			533.8 W	5,50 5,87	
South Dakota	-	-	VV	3,07	
November 2017	W		W	75	
October 2017	W			84	
November 2016	W		W	64	
Tennessee	**		VV	040	
November 2017	_	_	351.3	3,21	
October 2017			283.8	3,43	
November 2016	-		530.7	2,90	
Wisconsin				,	
November 2017	W	W	46.3	2,502	
October 2017	W	W	50.4	2,412	
November 2016	W	W	181.2	2,312	
PAD District 3					
November 2017	-	4,226.5	2,869.2	57,29	
October 2017		2,161.2	2,531.6	57,13	
November 2016	-	2,852.3	2,580.6	50,27	
Alabama					
November 2017	_	-	149.9	1,44	
October 2017	_	-	159.1	1,53	
November 2016	-	-	164.4	1,48	
Arkansas					
November 2017		- -		1,44	
October 2017		-	<u>W</u>	1,55	
November 2016	-	-	W	1,33	
Louisiana					
November 2017		<u>W</u>	161.0	16,65	
October 2017	-	<u>W</u>	197.0	16,69	
November 2016	-	W	241.7	13,58	
Mississippi		14/	\\\\	2.51	
November 2017			W	2,51	
October 2017		W		2,050	
November 2016	-	VV	VV	2,36	
New Mexico			220.7	1 22	
November 2017 October 2017	- -	-	330.7	1,335	
November 2016	-	-	356.4 265.3	1,370 1,130	
	-	-	203.3	1,130	
Texas November 2017		2 640 1	2.001.4	22 001	
November 2017 October 2017		2,640.1 1,171.7	2,081.4 1,697.4	33,899 33,933	
November 2016		1,837.1	1,697.4	30,378	
INOVEHIDEL ZOTO	-	1,837.1	1,740.5	30,37	

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)

thousand gallons per day

	No. 2 fuel oil		No. 2 distillate		
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resal	
PAD District 4					
November 2017	W	W	1,374.9	6,280.	
October 2017	W	-	1,456.4	7,068.	
November 2016	W	-	1,274.9	6,832.	
Colorado					
November 2017	_	-	236.6	2,054.	
October 2017	-	<u>-</u>	231.7	2,255.	
November 2016	-	<u>-</u>	261.2	1,885.	
Idaho				,	
November 2017	W	-	W	672.	
October 2017	W		W	864.	
November 2016	W		W	851.	
Montana					
November 2017	_	-	W	1,042.	
October 2017			W	1,246.	
November 2016			W	1,033.	
Utah				_,,,,,,	
November 2017	_	W	326.9	1,614.	
October 2017	W	-	323.8	1,649	
November 2016	NA		334.0	1,797.	
Wyoming	10.1		334.0	1,737.	
November 2017	_	_	417.6	897.	
October 2017			402.3	1,052	
November 2016			384.7	1,264	
			304.7	1,204.	
PAD District 5					
November 2017			2,521.6	18,526.	
October 2017	W	W	2,512.7	20,781.	
November 2016	W	W	2,434.0	18,127.	
Alaska					
November 2017	W	W	W	\	
October 2017	W	W	W	\	
November 2016	W	W	W	\	
Arizona					
November 2017	 	-	405.8	1,024.	
October 2017	- -	-	381.3	1,108.	
November 2016	-	-	381.8	941.	
California					
November 2017		-	1,166.1	11,382.	
October 2017	- -	-	1,096.9	12,469.	
November 2016	-	-	1,258.5	11,087.	
Hawaii					
November 2017	- -	-	W	\	
October 2017	- -	-	W		
November 2016	-	-	W	\	
Nevada					
November 2017		.	W	518.	
October 2017	<u>W</u>	-	W	529.	
November 2016	W	-	138.7	353.	
Oregon					
November 2017	-	.	7.5	2,051	
October 2017	-	.	7.1	2,223.	
November 2016	-	-	9.5	1,930.	
Washington					
November 2017	W		332.8	2,927.	
October 2017	W	-	371.9	3,697.	

^{- =} No data reported.

NA = Not available

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District

thousand gallons per day

		Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than	or equal to 1%	Sulfur greater than 1%		Total				
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	
United States									
November 2017	W	592.5	W	6,647.3	4,254.6	7,239.8	-	W	
October 2017	W	597.6	W	7,780.4	3,548.9	8,378.0		W	
November 2016	NA	707.4	3,097.9	6,511.0	3,958.2	7,218.4	-	W	
PAD District 1									
November 2017	W_	W	W_	W_	W_	2,315.6			
October 2017	W_	W	W_	W_	W_	2,233.9			
November 2016	W	W	W	W	W	1,888.1	-		
Subdistrict 1A									
November 2017	. _	-				- -	- -		
October 2017	. _	-				- -	- -		
November 2016	-	-	-	-	-	-	-	-	
Subdistrict 1B									
November 2017	W	W	W	W	W	W			
October 2017	W	W	W	W	W	W	-		
November 2016	W	W	W	W	W	W	-		
Subdistrict 1C									
November 2017	- _		W_	W_	W_	W_			
October 2017	- _		NA	W_	NA	W_			
November 2016	-	-	W	W	W	W	-	-	
PAD District 2									
November 2017			-	W		W		W	
October 2017	-			W		W	-	W	
November 2016	-	-	-	W	-	W	-	W	
PAD District 3									
November 2017	- _	W	W	W_	W_	3,808.8		W	
October 2017	-	W_	W	W	W	4,860.6		W	
November 2016	-	W	W	W	W	4,424.4	-	W	
PAD District 4									
November 2017	- _	-	- _	W_		W_			
October 2017	- _			W_		W_			
November 2016	-	W	-	W	-	W	-	-	
PAD District 5									
November 2017	W_	W	W_	W_	2,956.4	W_			
October 2017	W	W	W	W	2,762.1	1,179.5			
November 2016	W	W	W	W	3,006.0	763.2			

^{- =} No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."